

ccttctctct ctgccctcac ctctccc

147

<210> 14108

<211> 68

<212> DNA

<213> Homo sapiens

<400> 14108

aattcaagtc ctggcttgag agccgagcgg caagagcgcg ggccggggaa gggaagagta
ggagagga

60

68

<210> 14109

<211> 305

<212> DNA

<213> Homo sapiens

<400> 14109

acacttcggg cctttgtggg ccgcagcgac ggcggtctgc ggctgtcggt tctgtttgtt
gctgtcactg ctgtttgttc ttgccagcgg ctagggtctg gctgttttgc ccagaatgga
gtgcagtggc gtgatggtct cggctgacag cagcctcgac ctctgggct caagccttgg
cctcccaaag tcctgggatt acagccccac ctgcagagtc aagtcctcc tcccacctca
gcactgctag aaaagagctt caggatggag ccacacatgt cactcaagcc caagggtcag
tcaac

60

120

180

240

300

305

<210> 14110

<211> 168

<212> DNA

<213> Homo sapiens

<400> 14110

actggacca gcccttagca acggcctggc gacggtttcc ctgctgctgc agcccccgtc
ggctcctctt ttccagtcct ccaactgccg ggctggcccc ggccgcgga aggaccgaag
gggatacagc gtgtccctgc ggcggtgca agaggactaa gcatgaat

60

120

168

<210> 14111

<211> 222

<212> DNA

<213> Homo sapiens

<400> 14111

atcttggaat tgggaggaag agggagaggg agaccgggac gagaccgggg ctgtggtgcg
gagagaggct gagacggaga agaggagagg cagagagggc gcggggaccg tcagcagsac
ytwagctaca aatcgtkcag ctattctcgg aagagagaag ggagaggag gaggccgggg
cgggagtggg ggctgtcacc ctcggaaccc ggctgagag gg

60

120

180

222

<210> 14112

<211> 415

<212> DNA

<213> Homo sapiens

<400> 14112

gacttcctct ctcggtttgt ctgggtcacc ttgtctgccc gccgctggcc tggccccgctc
tgtctctctc agcagctgtc ttctctgcgc ccaactggcg gtctctcctc ttccccgcag
ttgcctcctt ctctgcctgc ctgggtggcc gccatgggccc ggaagcggct catcactgat

60

120

180

tcctacccgg	ttgtgaagag	gagggagggg	cccgtgggc	acagcaagg	ggagctggca	240
cccagctag	gggaggagcc	ccagcccsc	gacgaggag	aagcggastg	gagctgctga	300
ggcagtttga	cctggcctgn	yagtacggg	cctgcaccgg	gatcacacgg	ctgcagcgct	360
ggtgtcgggc	caagcagatg	ggcttgagc	ctccccaga	ggtgtggcag	gtgct	415

<210> 14113
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 14113						
gacttcctct	ctcggtttgt	ctgggtcctc	ttgtctgccc	gccgctggcc	tggccccgtc	60
tgtctctctc	agcagctgtc	tttctcgcgc	ccactggccg	gtctctcctc	ttccccgcag	120
ttgcctcctt	ctctgcctgc	ctgggtggcc	gccatgggccc	ggaagcggct	catcactgat	180
tcctacccgg	ggaggagccc	cagccccgcg	acgaggagga	agcggagctg	gagctgctga	240
ggcagtttga	cctggcctgg	cagtacgggc	cctgcaccgg	gatcacacgg	ctgcaacgct	300
ggtgtcgggc	caagcagatg	ggcttgagc	ctccccaga	ggtgtggcag	gtgct	355

<210> 14114
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 14114						
aagaggatgg	cgacctcgtc	gatgccgcca	tcttcattta	tactgattgc	acacccc	57

<210> 14115
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 14115						
gcagtggggt	gtggtttagag	ggctaggaag	caatccaaaa	cagcagctca	ggctgcccaa	60
agccgtgtcc	aagcgatcat	tttctccatt	ttggggccaag	tcaatttgca	ccggcaagag	120
gcagaatgtt	tgttttatgg	ggaggaggaa	aataaaaaag	gaagtcagag	agcatrgnc	180
ggaracragc	aacaccacca	aagaggtttc	atctcgggtg	gatgttaaac	gattggaatg	240
ctaataatgg	gcgcgaggag	caaacacaat	tgttctgagt	ccacagctgc	ggcactttta	300
atgacaggaa	nrgtgtttaa	gcttctaaaa	tgatcatctat	caagcacctg	gtttatgcag	360
ttattcgttt	cttacgggaa	caaagtcaga	tggaca			396

<210> 14116
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 14116						
ctgctctctc	ttgtccccc	cattctgtcc	tgtcccttc	ccatccatcc	acttcttcca	60
gacacagcag	gaagaggccc	tctgaagggg	ccgcccggccc	cagacaccat	ccttaccccc	120
ccaccgacc						129

<210> 14117
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 14117

gagagctccc	ggggggccgtt	gggtagcgctc	ttcgctgttg	cccttaggga	cggtctgtggg	60
cctgctgggg	gtggggggccc	gaagcgccag	agatggctgc	tcagcgaggg	atgccagct	120
ccgccgtgag	ggtcctggaa	raggcgttg	gcatgggtt	gacggcagcc	ggggacgcga	180
gggacacggc	ggacgcgggtg	gcggctgagg	gcgsctnact	acctggaaca	ggtcaccata	240
actgaagcat	ctgaagatga	ctatgaatat	gaagagatac	cratgacaat	tttwgcatcc	300
cagaaggtga	agaagatctg	gcaaaagcaa	ttcagatggc	cnwagaacag	gctacagata	360
ctgaaatttt	ggaacggaaa	acagttcttc	cttcaaagca	tgcagtacct	gaasyaatag	420
aagactttct	ctgcaatttc	ttgatcaaaa	tgggaatgac	cagaactctt	gattgctttc	480

<210> 14118

<211> 247

<212> DNA

<213> Homo sapiens

<400> 14118

gactagaaat	tgtaatcgcg	gagaaagaga	gagacagaca	gagccgggga	gaaagggacc	60
aagacagacg	gacagacaga	caacctgact	gagacgggct	cagggccgat	gagaggggtga	120
cagggataga	gcaagaggga	ggaatagatg	gaggagaagg	agagaagggg	cctgggggtc	180
ccgagggagg	caagattgtg	aggggggaga	ctcaggaggg	ggttgaggcc	agaggaggtg	240
gacgggg						247

<210> 14119

<211> 313

<212> DNA

<213> Homo sapiens

<400> 14119

gaggagagag	ggaatgactc	taaggaaggg	agggagacaa	agaaggcaga	gggaagacct	60
gggtgccaga	ggtgcggctg	agggtttgtg	atgtacagtc	atgcttctgc	tgggcacact	120
gtgagtcttc	aatgggcgct	gggtcttttc	acgcccttgc	tgtgggggac	ggtctcccag	180
gctcttttct	tccctcaca	aacctcta	ccattagcat	agtgtgagat	ggctccttct	240
gcctctttgc	agctagtggg	gtccctcact	tcacaggcag	aagagggggg	ggcgggcagt	300
tttctcattc	tag					313

<210> 14120

<211> 329

<212> DNA

<213> Homo sapiens

<400> 14120

aatcggtctc	tggacgtgc	gcggcgctcc	taggagcagg	cgttcccgc	tccggcaaga	60
gggtggcgcc	tggactctcg	ccctcagagg	gaggccsgtc	ccacggtctg	tggctacgga	120
tcccaggacc	ctcttcgagg	gcgattcgcg	tasctcagat	tgcctcggat	gatggcctgc	180
gactgacagt	ctctcagctc	ttctcagctc	tcctgaggct	gcagctgtca	gctccctgat	240
cctcagcact	tgcctggacc	agtgcgggtc	tgccacgccc	tgttcagcca	tccctgtcct	300
gttgtgtcgt	gcaagccaca	tctgtccac				329

<210> 14121

<211> 285

<212> DNA

<213> Homo sapiens

<400> 14121
 aaaatcctcg gcctcgggtg cggtggtgga cacgtcgagc cgggtagaag tggagggggc 60
 gttcgaagag tcgtgagggg gtgacgggtt aagattcgga gagagaggtg ctagtggctg 120
 gacttgacct ggaaagaatc ttctgctgac tctcaacttt tcttgaaaaa aatggatcat 180
 tcccaccata tggggatgag ctatatggac tccaacagta ccatgcaacc ttctcaccat 240
 cacccaacca cttcagcctc aactcctcat ggtggaggag acagc 285

<210> 14122
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 14122
 agttgttggg gcgggtcggc cgggagatta ggatcttgtg tttgtggcct ccgcagccag 60
 cttagkctgc tcggtgtcgt gtcgcagtta tgtactgcca tttattatga ctcttagaat 120
 atagttatatt cttactcttc cgctgcctcc tttgctttta aagcctgttc tgccaagtct 180
 cgctggagaa ggaaaccctt gaaactggtc ctggtggtct cagaccgccg cgcgagcgaa 240
 gagtggggag gacaaagggt ggggagttga gaaggakgga gatgggtgca tctggaaggg 300
 agtcgcctct gaggagtccc ccatcagctg tcagccagcc agcagcaaag caaattaaga 360
 ctacaca 367

<210> 14123
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 14123
 gccatcttct tctgggctca ctgagggtct acctgttttg gggaggctgc tgcgacgaag 60
 agttccctca gcctccggcc ttgtgtgtcc gactcggcag cagtgcctcc atgtggtggt 120
 gtagtgcgct tcccagggat cttgagagtg aagatctcga aggatttcat aggtatatatt 180
 ttttctttgc tatgtcatcg tagtcagtgg tggcagaaaa gcgctgc 227

<210> 14124
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 14124
 ggatgctgtg ggtgtggttg gaggagggtc ttttaagggt gtcttcggtg gaggtttggg 60
 agaagagttg gcctggctac aactctgctt caaccaaagc atcttttagtt tgagctttta 120
 atatcttggg cctgtcctgc aggcttggtt gaacaaagac tatacataaa ataagcaaga 180
 accatttctt tttttttt 198

<210> 14125
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 14125
 tcatttgttc tgttttgcta ctttggaacca aaaaccatga gtttagaaac taaaactaaa 60
 atggcataat tctaattttg gttatcatat gaaagttaac tatattttta ctactgtaat 120
 aataagtyct ttttgtttgt ttttaaccac agagaagtaa aaagaagaaa gcaacagaat 180
 agg 183

<210> 14126
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 14126
 atcattttca cctcgcgctg cgccccgggag gaaggaacga ggcaaggagc taaagcagcg 60
 tgcgttcagc cctggggcat tttattaatg cttttacgag ttagaagagt tgggataatt 120
 tgccatctgg agtttctctg ccttgctgat ctgagctcag acctgccaat ttaccagaga 180
 taattgataa ca 192

<210> 14127
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 14127
 tgccactgga acagtatctt tcaaaattat tcataatctc catgttatca aatctagtag 60
 ttccgtcatc atctgactca ggttcttagc aacatttgcc acagttgagc actgcttaag 120
 atacactctt tacttgattt ccaccacacc acaccccacc 160

<210> 14128
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 14128
 tactgagggc taccaagttc ctccaggagc cacatatact gccattgagg ctcccaaggg 60
 agagtttggg gtgtacctgg tgtctgatgg cagcagccgc ccttatcgat gcaagatcaa 120
 ggctcctggg tttgcccata tggtctggtt ggacaagatg tctaaggagc acatgttgcc 180
 agatgtcggt gccatcatag gtacccaaga tattgtatct ggagaagtag atcggtgagc 240
 aggggagcag cgtttgatcc cccctgccta tcagcttctt ctgtggagcc tgttcctcac 300
 tggaaaattgg cctctgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtg 346

<210> 14129
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 14129
 acagcgcagg cgctggcgcg gagaggcgca ggcccaggtc cactccccag ctgtgaaagg 60
 aatgaagata tagagaaaca aggaagaaat tgaccccgrc gaagawgawa gksaagaann 120
 agcatttnga taagaasagm maattgamsa aagatgtttg atgcssaata tgatsmagga 180
 gaaagcacat attttgatga tcttaaagga gaaatgcaga aagaagcaca gctgaatcay 240
 gyagaatttg aagatcaaga tgatgaagcc agagttcagt atgaggggtt tgcacctggg 300
 atgtacgtct gcgttgagat tgaaaaatgt ccctgtgaat ttgtgtagaa ccttgacccc 360
 cgttacccca ttatcctggg tggcttgggc aacagcgagg gaaatgttgg atacgtgcag 420
 atgcgtctga agaaacatcg ctggtataag aaaatcctca agtcccagaga tccaatcata 480
 ttttctgtag ggtggaggag gtttcagacc atcccgcctc gttatatcga 530

<210> 14130
 <211> 218
 <212> DNA
 <213> Homo sapiens

004220"66667560

<400> 14130
 tgtcattggt ttcacagcac ttttttatcc taatgtaaatt gctttattta tttatttggg 60
 ctacattgta agatccatct acacagtcgt tgtccgactt cacttgatac tatatgatat 120
 gaaccttttt tgggtggggg gtgcggggca gttcactctg tctcccaggc tggagtgcag 180
 tggtgcaatc ttggctcact atagccttga cctctcag 218

<210> 14131
 <211> 53
 <212> DNA
 <213> Homo sapiens

<400> 14131
 agaagtgagt acgtgagcgg cgcacaagat cccagctcgg accccggacg gcg 53

<210> 14132
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 14132
 aaaataggct gagtttcacg cgcgtatgct ttgcccgccta tggccgcagt caaggagcct 60
 ttggagttcc atgccaaagc gccttggcgc cccgaggagg cagtagaaga tccggacgag 120
 gaggatgagg ataatactag tgaagccgag aatgggttct ccttgaggga agtggttacgg 180
 ctcgga 186

<210> 14133
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 14133
 ccagagcgcg cgaggttcgg ggagctcggc caggctgctg gtacctgcgt ccgcccggcg 60
 agcaggacag gctgctttgg tttgtgacct ccaggcagga cggccatcct ctccagaatg 120
 aagatcttct tgccagtgt gctggctgcc cttctgggtg tggagcgagc cagctcgctg 180
 atgtgcttct cctgcttgaa ccagaagagc aatctgtact gcctgaagcc gaccatctgc 240
 tccgaccagg acaactactg cgtgactgtg tctgctagt nggcattggg aatctcgtga 300
 catttgcca cagcctgagc aagacctgtt ccccggcctg ccccatcca gaaggcgtca 360
 atgttggtgt ggcttccatg ggcagctgct gccagagctt tctgtgcaat ttcagtgcgg 420
 ccgatggcgg gctgcgggca agcgtcacc tgcctgggtgc cggctctgctg ctgagcctgc 480
 tgccggccct gctgcgggtt ggcccctgac cggccagacc ctgtcc 526

<210> 14134
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 14134
 gactggggcc ggataatggc gggcgctgca gaagatgcgc gastcttttc cgggctgggg 60
 tctgcgcggc cctggaggcc tggccggcct tgcagatcgc tgtggagaat ggcttcgggg 120
 gtgtgcacag ccaggagaag gccaaagtgc tggggggtgc agtggaggat tacttcatgc 180
 gcaatgctga cttggagcta gatgag 206

<210> 14135

<211> 175
 <212> DNA
 <213> Homo sapiens

<400> 14135
 agtctggacc tgcccaagga cccctgcaat taggcctccc atgcagaggt cagtgagagc 60
 ccaagccaat tgctctaggc cccgtggctg gctacttatg gggcactgtc ctgaccagct 120
 ctgctaagat gtccttgccc cctccctcca ccccgctccag aggacggacc cccag 175

<210> 14136
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 14136
 tagagggact gggaacacag tgtatagaaa aaggggagga gagaaagaat ggtgagattt 60
 tgaatatctg caagatggaa ggggttttgg tggcaataat agaggaataa aatagaga 118

<210> 14137
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 14137
 atttccgctt ccgcctcttc tttctcgaca agatggccac accggcggtg ccagtaagtg 60
 ctctccggc cagccaacc ccagtcccgg cggcgggccc agcctcagtt ccagcgccaa 120
 cg 122

<210> 14138
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 14138
 cggcgcagag gcctgcggga agccaagatg gcgcataagg gttctccagg ctgcagttgg 60
 cgccttatca gtatctaagc ggagtgtttt ggaaggagtt aaggggctgt ggcaaacgcc 120
 ctctccggc tcatggccc gcatcggaat gttcgaggct ataactacga tgaagatttt 180
 gaagatgatg atctctacgg ccagtctgta gaggatgatt attgtatttc g 231

<210> 14139
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 14139
 agtcagcagc gagaggggtc gaagatggcg gcgcgcaagg gtcggcgctc cacgtgtgaa 60
 accggggaac ccatggaagc cgagtccggc gacacaagtt ccgaggggccc 110

<210> 14140
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 14140

aaaatggggt	gggtgggggg	tggggcaggc	gacggtgggg	aagatggcgt	accagagctt	60
gcggctggag	tacctgcaga	tcccaccggt	cagccgcgcc	tacaccactg	cctgcgtcct	120
caccaccgcc						130

<210> 14141
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 14141						
actcgcattg	ngactcctcc	atctctgtct	tcctgtttgt	gacagtctca	gagcctacgt	60
tctttcaatg	gctgggctac	aagatgggtg	caggctgccc	aacctgacac	agcaagaagg	120
cggccattctg	c					131

<210> 14142
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 14142						
tattttctact	tttgtttcat	taatcttttc	ctccggcatg	ccttggattt	tgttgtgtta	60
ctctttttct	agaggctcgc	attgtgtgtc	tggttcactt	atgatcacgc	ttgcctactt	120
ttaagaatgg	aagaggggag	gtggaggggtg	gctgcacagt	cgaggggtgtg	aggcagtctt	180
gctctagccc	caccatgccc	tcagcccgt	gtggccacgc	tggttcctca	attgctgggg	240
cgtgcagtgt	ctgtaaggga	ggctactgat	gccatccgag	gaagatgtaa	ggtttcgtgt	300
gggcagcgag	agcctagcag	gcatgtgggg	tgccagcaa	agggtaacag	tggacagtgt	360
ttgcctcatt	ccacagagtt	ttgatttttt	ttttttttw	aatggycact	ccatcaacat	420
cccccatggc	caragcctga	gctggycccc	aragacacag	gcattcagct	gamagcctnn	480
ccttcaagct	gctgctgtgc	tcattggggg	maggcctcag	gkggcaatgc	acaaatcatt	540
agttaagggt						549

<210> 14143
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 14143						
aactttctgta	ttatgcacgt	gaagccttcc	cggagccagc	gagcatatgc	tgcattgagga	60
cctttctatc	ttacattatg	gctgggaatc	ttactctttc	atctgatacc	ttgttcagat	120
ttcaaaatag	ttgtagcctt	atcctgggtt	tacagatgtg	aaactttcaa	gagattttact	180
gactttccta	gaatagtttc	tctactggaa	acctgatgct	tttataagcc	attgtgatta	240
ggatgactgt	kacaggctta	gctttgtgtg	aaaaccagtc	acctttctcc	taggtaatga	300
gtagtgctgt	tcatattact	ttagtcttat	agcatacttg	catctttaac	atgctatcat	360
agtacattta	gaatgattgc	ccttgatttt	ktttttaaat	tctgtgtgtg	tgtgtgtaaa	420
atgccaatta	agaacactgg	tttcattcca	tgtaaagcatt	aaacagtgtg	tgtagggttc	480
aagagattgt	gatgattctt	aaattttaac	taccttctac	taatatgctt	gaactgtcgc	540
cttaactatg	tkaagcatct	agactaaaag	ccaaaatata	attatkgctg	cctttctaaa	600
aaccctaaat	gtagttctct	atkaacctga	aatgtaca			638

<210> 14144
 <211> 236
 <212> DNA
 <213> Homo sapiens

<213> Homo sapiens

<400> 14149

aagatttcag	ctgcgggacg	gtcarrggag	acctcmaggc	gcaggggaagg	acgtgaggag	60
gggaagcggg	ctggggcggc	ascgmgcgg	aggggcagct	gcgcaggcgg	aatgaggaac	120
gcctttgtc	taaggcgacc	accctggmag	ctcttcactg	agggggcctc	ggtttccaca	180
tctgtcgtc	tccggtccca	agaccaccag	gaccgacggg	gctctccggg	agggtcagcc	240
cctccggtg	ccccagtc	gcacagggg	acggatcaga	agggctagga	agaggggtcg	300
tgggaaggc	cccagaaaa	agaggaagg				329

<210> 14150

<211> 99

<212> DNA

<213> Homo sapiens

<400> 14150

gaagagcggg	aagaggcggg	cagcgaggcc	aagatttcag	ctgcgggacg	gtcaggggag	60
acctccaggc	gcaggggaagg	acggccaggg	tgacacgga			99

<210> 14151

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14151

cagttctttc	actatatttg	gaagattttc	agtcacatgg	gaagcttttc	aaggcttgat	60
tattaatcat	gctgcttaga	tcataaatca	tgaaattatt	tagtactgtt	tctagtacgt	120
gtgtawttta	atactttwtt	tttggccttt	tttgcctttt	tktttttwaa	acagatgtrg	180
ctaattgttac	c					191

<210> 14152

<211> 436

<212> DNA

<213> Homo sapiens

<400> 14152

gtaactgaaa	atccacaagm	cagaatagcc	agatctcaga	ggagnctggc	taagcaaaac	60
cctgcagaac	ggctgcctaa	tttacagcaa	ccatgagtac	aaatggatgat	gatcatcagg	120
tcaaggatag	tctggagcaa	ttgagatgtc	actttacatg	ggagttatcc	attgatgacg	180
atgaaatgcc	tgatttagaa	aacagagtct	tgatcagat	tgaattccta	gacaccaaat	240
acagtgtggg	aatacacaac	ctactagcct	atgtgaaaca	cctgaaagcc	agaatgagga	300
agccctgaag	agcttaaaaag	aagctgaaaa	cttaatgcag	gaagaacatg	acaaccaagc	360
aaatgtgagg	agtctggtga	cctggggcaa	ctttgcctgg	atgtattacc	acatgggcag	420
actggcagaa	gccag					436

<210> 14153

<211> 186

<212> DNA

<213> Homo sapiens

<400> 14153

cctcgatccg	ggcgatggag	gaggaagcaa	gcgagggggc	tggttcctga	gcttcgcaat	60
tcctgtgtcg	ccttctgggc	tcccagcctg	ccgggtcgca	tgatccctcc	ggccggagct	120
ggtttttttg	ccagccaccg	cgasgccgkc	tgagttaccg	gcacccccgc	agccacctsc	180

tctccc

186

<210> 14154

<211> 204

<212> DNA

<213> Homo sapiens

<400> 14154

acagtcctcg	gcccaggcca	agcaagcttc	tatctgcacc	tgctctcaat	cctgctctca	60
ccatgagcct	ccgcctgcag	agctcctctg	ccagctatgg	aggtggtttc	gggggtggct	120
cttgccagct	gggaggaggc	cgtgggtgtct	ctacctgttc	aactcggttt	gtgtctgggg	180
atcagctggg	ggctatggar	gcgg				204

<210> 14155

<211> 125

<212> DNA

<213> Homo sapiens

<400> 14155

agagcgggtg	gccgggggct	ggaggacagg	tttgtgcgct	ggacgcaagc	accaggcgca	60
ctcgtctgcc	gagacccggc	cagaacgtgt	tacgagtcag	tttttagtga	aaaaacattg	120
agcta						125

<210> 14156

<211> 445

<212> DNA

<213> Homo sapiens

<400> 14156

gattcctm	gtaaatgt	ttttgagaaa	aagcttcggc	agcacactcc	agaaaaaac	60
ttcccaaacc	ctgggcaact	gaggttctga	tgtggagctc	tggatggaaa	gcgtgctgaa	120
gtcttggttaa	actagcaagc	ttttgtttgg	aggtccaccg	ccgaagcacc	arggcctgtg	180
ggaacacgag	cgttgagact	gggggctgtc	agatgatcca	aggggtaggc	agagtgtgag	240
cagcggcagg	tatcggggam	acaccgcggg	asnnaagga	aggggactga	ccgggamatg	300
gaagagctcg	gacctcaggc	acatgcgaat	gaccgggagt	gtggacaacg	tccagttcct	360
gccctttctm	accacggaag	tmaacaacct	gggctggctg	agttatgggg	mtttgaaggg	420
agangggatc	ctcatcgtcg	tcaac				445

<210> 14157

<211> 243

<212> DNA

<213> Homo sapiens

<400> 14157

gattcctm	gtaaatgt	ttttgagaaa	aagcttcggc	agcacactcc	agaaaaaac	60
ttcccaaacc	ctgggcaact	gaggttctga	tgtggagctc	tggatggaaa	gcgtgctgaa	120
gtcttggttaa	actagcaagc	ttttgttkgs	wsgtccaccg	ccgaagsacc	agggcctgtg	180
ggaacacgag	cgttgagact	gggggctgtc	agatgatcca	agggctcgna	cctcaggcac	240
atg						243

<210> 14158

<211> 131

<212> DNA

<213> Homo sapiens

<400> 14158
 tctgggcagt tctgatctgt gttcatgggt tatttttccc attgtcaggg tgaggcattc 60
 actctttggg gaagtgagga agctcatcac agacgagttt gtgaagcaga agtacctgga 120
 gtacaagaag g 131

<210> 14159
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 14159
 tgatttggag ctgacagtta ttttgtgtaa gcagagattt aattttatat tgaaagtcag 60
 tgcaaaatta tgaataggat atactaataa atacaaagta ataacaaaag tcaaagcagt 120
 gttctaaata aaaattctgg gtkccttaaa aatkattkaa atttttatct ttgaaatagt 180
 nwtcttagat taatctcagg atatgagaaa gtcaattaag tgtgagtaaa gttagtatca 240
 ttaaacaaat tgtctattaa atgcaagacg tggtaatata cagaatttat caggcattac 300
 caagtctagg cacatatagg aaatgcagca ctcagaatgg tttcaatgta rwagttgatg 360
 cttgtaagggt aggggagctt attcagrcat agtag 395

<210> 14160
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 14160
 attcctggcg accactgctt ctgtctctgt gaattttgac tattctaggc acttcacaaa 60
 actggactca tacgatatct gtagttttgc gtctggcttc tctatttaat tcttaaaggg 120
 ggggtgggram taagcagatc acaagggagc taccacaga ggtaaagaca aggtcaggta 180
 ggctga 186

<210> 14161
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 14161
 gaccccgaaa tggcgctgct ggccgaacac ttgctcaagc cgctgcccgc ggacaagcag 60
 atcgagaccg ggcccttctt cgaggcggtg tcccacctgc cgcccttctt cgattgcctt 120
 ggggtcccag tgtttactcc catcaaggca gayataagcg gcaacatcac gatgaggaag 180
 ctgagactca gaggggttga aggactcgct taaggtcaca agcaagtacg tggcaaagct 240
 gggattcaga cccaggccta cctggctcca tcgcagaggc cttcgttctt ggacttcttg 300
 gaatcctcgg aacctatttc cacttgcca ccaaagcaaa acttcagata cttggtgtct 360
 gaggcagtgt cagtagntsc tggagaacat gaact 395

<210> 14162
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 14162
 tttcccggcg gtgacttgac cccggaagtg ggggtgtgaag ctccggtgct ggtgcggcgg 60
 gggactgcgg ggccagcctc aggtagcagc agcagcagca gcagcagcag cagcagcagc 120
 agcagcagca gcagcancat gttcacttct cagaaagcct ccggaatcta aaaagccctc 180

agtaccagag acagaagcag atggattcgt ccttttagga gatacaacag atgagcaaag 240
aatgacarca agargcamwa cttcggacat agmg 274

<210> 14163
<211> 59
<212> DNA
<213> Homo sapiens

<400> 14163
gcgatgtcct tttgtgtcct acaagcagcc ggcggcgccg ccgagtgagg ggacgcagc 59

<210> 14164
<211> 230
<212> DNA
<213> Homo sapiens

<400> 14164
actctggtgt acagccagtc cccgccgcgg aggtgccggt ggagcctggg accgggagcag 60
tctccgcccc gcttttgcag ctaggggtgt gtttcagggg ggattggggc aagccaagca 120
ggcgaggacc tgggcctgtg ccgctttgcc taccctcat cctcggcac caaggctact 180
tgagccccag ggtgtttttt ccttgttccc gccacctct ggtccctggc 230

<210> 14165
<211> 196
<212> DNA
<213> Homo sapiens

<400> 14165
ctccaaactc attaagcagg ctgagggcag gagttggctc catcagtggc gcctgagcac 60
ctcacaggga gggagggatg gctggagctg agtgggtgctg cctcctttag acaggatatg 120
ccagttccag gctgccactg ccttcccaca cccacccca cccagcttg cttctgtcat 180
ttgttacctg ccggca 196

<210> 14166
<211> 216
<212> DNA
<213> Homo sapiens

<400> 14166
agatatactg agtgagccct gagaagcagt ctcagatcct gacggtgcag cagcccgcag 60
cctcagccag ggagtcccag ccgctttcaa tggaggagaa gcccggccag ccacagcctc 120
agcaccatca cagccaccac catccgcacc atcaccctca gcagcagcag cagcagccgc 180
accaccacca ccattattat ttctacaacc acagcc 216

<210> 14167
<211> 151
<212> DNA
<213> Homo sapiens

<400> 14167
ctaattctta ggagagtctt gtctgtttat cttattcagc gaaggcagtt gtcagcccac 60
tagtgctgtc ctgccagctg ctccttctc tttgcaacct gcattctgat tctctgcttt 120
ttcataagca gtttactccc caacttcatg c 151

<210> 14168
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 14168
 tgaaggatga ggccgcattc atactaagca tccaagtaag gagaagacca agtgcaaaaa 60
 gtttggtcgg gatgagtgtg tgtgtgtgtg tgtgtg 96

<210> 14169
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 14169
 ataagggcag ggctcagata caatccgaga gcaggactaa agcatgaggg cggccaaggc 60
 ggaagggagt aggggaaggaa gcgcgcgcgcg tttccaagat acgcaggcgg gtcgggcgag 120
 agagcacgaa gtatctgccc cacgcaggaa cggcaatttt cccttgctcg ctctagaaa 180
 agcc 184

<210> 14170
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 14170
 ggtgcaaaaa ttggtctgggc aggggtgggtg gcattctgtag tcccagctat tctggaggct 60
 caggcgggag aatcgcttga acctggaagg tggagggtgc agtgagccga gatggcgcca 120
 ttgcagttca gcctgggtga caagagtga actctgtctc gaaaaaaaga aaaaaaagag 180
 atagaggaag ccctctgaag ggtcttctca cagctgtgtt aagcactatg attgaagcat 240
 gcttgatgga ggaggcaaag 260

<210> 14171
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 14171
 tcttggttat tctttctctc atacccacaca tgcagtctta tcagcaggtg ctcatggctc 60
 tactttgaat atgtatcctg aatctgacca ctacttaacc atatccgtgg ctncacctag 120
 tctaagccac cattctcttt cacct 145

<210> 14172
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 14172
 agggaccccg taagccactt tgggagccac atccaccact tctctgaccc cacgcaggct 60
 gcttcccagg cctcatggta ctagtgtgga cctcctggct gtgattaatg cagtttttta 120
 gattaagtac t 131

<210> 14173
 <211> 100

<212> DNA

<213> Homo sapiens

<400> 14173

attttctttt agctatgatt ttcaaacagt cttcaggaag ccataggtga gaggggtgtac	60
aggcgtggac attcccctgg tattttttta aaccacagat	100

<210> 14174

<211> 145

<212> DNA

<213> Homo sapiens

<400> 14174

accgcagtgg ctgagctgct gacaggaggc ggcasggagt aggaggcgag gcaagacctg	60
cggctcggcc cggccacagc cgcggtagt ctaggcaagc ccacggagtc acgccggcct	120
cagccagtct gcgaactctc gcycc	145

<210> 14175

<211> 228

<212> DNA

<213> Homo sapiens

<400> 14175

gtggaaacct cttcagcatt tgcttggaaat cagtaagcta aaaacaaaac caaccgggtg	60
gcgtgcggac aaccgcggcc acccgtagat catgaccgtg ggctgcgtgg cgggcgacga	120
ggagtccctac gaagtgttca aggatctctt cgaccccatc atcgaggacc ggcacggcgg	180
ctacaagccc agcgtatgagc acaagaccga cctcaacccc gacaacct	228

<210> 14176

<211> 330

<212> DNA

<213> Homo sapiens

<400> 14176

agagcattcc cagaagcggg gccagggcag tgcgcacagt gaggagagca ggtgtgtgtg	60
aggttgaaac aaaacgttca aagccccctc ggaagcccat ccacaggtgt gtgactgtga	120
accgcacgt aatctcctag aaagcaagaa catcaggctt acattttcca cttgcctctc	180
acggctcaga gctctgcagt atatacacia tgctcagtga gatggaaaac agaacgtgga	240
gagagatgta gcttactaga gccctgtggc ttcaatcccc accaggaatg tcgtttaaga	300
ggaaggtgat ctacacaaan ttcacatttg	330

<210> 14177

<211> 266

<212> DNA

<213> Homo sapiens

<400> 14177

tataagatac tcttatattg cttattgagg tactaaagca cttacaaaat atcaagtatt	60
ttgagtttagc ttacactgg ttcaataaca cttagaattt ttgttcataa tactaagata	120
atcatcttag ggatgggttac attttgttgt gaggtgtggt ggaaaattca aaggacacca	180
tggtttgtga aaaaccatt gcagctgac tctgcacttt tcatttccat gtcattccat	240
tttcttctgc twtttcttta cccct	266

<210> 14178

<211> 110
 <212> DNA
 <213> Homo sapiens

<400> 14178
 accggctgga aggaggggaa gtgaatgaaa ggacaggaca agccccgaac accatgtcac 60
 tctgggaggg agacagcagc aactaagctg tacaaggttt tttttttttt 110

<210> 14179
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 14179
 gctgttatgg gggctgaggt gttagatggg tttctctaact cactcaccat tccattattg 60
 gagctataag cccctagaat tgctccatgg cctatctcgg tttcccttgg atctcatctg 120
 ctctgaact gcacctgtct gtaaaaaaaaa cagatgcgag ac 162

<210> 14180
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 14180
 acttccgccc gggcctggcc gaggttcggg ctccgttggc cgagggggcc gtacggaggt 60
 ggcagctgtg ggaggaggcg gcgtggaagg ccgaggagct caagcccga ccaatcccca 120
 cgttccgggc cgcgaccctg accctgcagc gtaccgggaa gcnrnamccg gscggatsgg 180
 csgctgagcc cgaatcgggc actgtgtgga gccccctgga gctgasatca ggatgttccg 240
 cttcatgagg gacgtggagc ctgaggatcc catgttccct atggatccct ttgctattca 300
 ccgtcagcat atgagccgta tgttgtcagg csncsttggga tatagccct tctcagcat 360
 cacagrtggc aacatgccas ggaccaggcc tgccagccgc cgatgcagc aggttgagc 420
 tgtctccccc tttgggatgc tgggaatst 449

<210> 14181
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 14181
 aagacaaggg cggggggcgg cagtcgggag agccccagg aagccctgta gatgccccca 60
 cccagccca tggagttgct atggttaagc agcctga 97

<210> 14182
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 14182
 cccatcttcc ggtctcctca gaagtcgctt agctcttcgg tggttgtcac acgtccggag 60
 gcctagccgt cgcgtacctt ggatgccgcg tggaaagcga agccgcacct cccgcatggc 120
 ccctccggcc agccggggccc ctcatgatgag agctgcamcc aggccansna ccagtngstc 180
 agcca 185

<210> 14183

<211> 129
 <212> DNA
 <213> Homo sapiens

<400> 14183
 tttttggcag cgtctgctgc tttttggtgg ggtgtcgtc cgggctggtg gcggggccac 60
 tgccccgctt gggggaagcc gagcgatggt ttgtgggcgc cagttgtctg gcgccgggag 120
 ygagaccg 129

<210> 14184
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 14184
 ggtgtcgtgt tctggaagct tagcggtcac catggagctg ctgggagagt acgtcgggca 60
 ggaagggaag ccgcagaagc tgcgggtgtc ctgtgaggcg ccgggtgacg gsgacccttt 120
 ccagggcctg ttgtctggcg tggcccagat gaaggacatg gtaacggaat tattcgaccc 180
 tctggtacag ggggaagtgc agcaccgggt ggcggcggct ccagacgagg acttgacgg 240
 tgagctctga gacggtgctg c 261

<210> 14185
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 14185
 ttctcccaag cggcgtggg accctctagt ccgccgcct tcttgtttgt agctctgttc 60
 attgtctggt gggactttgc taagactttt ggggtatatt gttttccttt tctcaatgga 120
 aactcaaata cctcaacttc ggagtactca tcccattccc tcccttaacc catccagatg 180
 gtacctaatg gaaggaacca ggtaagggtc tgattgttcc ttcctcccat ccgtgaagat 240
 agctgatgcc cgcg 254

<210> 14186
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 14186
 aggcaacaga gtgagactcc gtctcaaaaa ataaataaat aaataaataa ataacatgtc 60
 atgtattcct ctggggctat atgacttctt tgagactatg agctgtatag ttgacccttg 120
 agcaacgcag gggctaggga gcacaagcct acatttccaa 160

<210> 14187
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 14187
 gtgctggcct aatgtctgtg tggactaggg ttacagcagc ccggtttgaa gcctctggtc 60
 gtgggaatgg cttcttggga gagctcc 87

<210> 14188
 <211> 136

<212> DNA

<213> Homo sapiens

<400> 14188

aggtagatag agttggctct ttcaggagtt ggattcaggc acaggaatgt gcccctgggt	60
gtttgaggtg aagcctgaag aaccagagtt gagcctaggt gtatagagcg gcctcccagg	120
tcaaccccat agcatg	136

<210> 14189

<211> 409

<212> DNA

<213> Homo sapiens

<400> 14189

aggagccagt ttacacctag cgaaggcgga ggcattggac aagcctgggt ctgagcagac	60
agaacccctt cctgcgaccc tggagtccca atcgtgctgc cattttcctt ctgcccagga	120
ctctccagtc ctcagtcacc ttggacaaag aagtgtggat cctcagattc catcttttcc	180
aactccaagg tgccatggca gagaagggtgc tggtaacagg tggggctggc tacattggca	240
gccacacggt gctggagctg ctggaggctg gctacttgcc tgtggtcac gataacttcc	300
ataatgcctt ccgtggaggg ggctccctgc ctgagagcct gcggcgngt ccaggagctg	360
acaggccgct ctgtggagtt tgaggagatg gacatttttg accagggag	409

<210> 14190

<211> 138

<212> DNA

<213> Homo sapiens

<400> 14190

ctatgtttta tattatcaag gaagccttag attcactctg atctaagaaa ttattgaaat	60
tgaccctttt tacacaaatg tctttaaaaa aaaaaactta tttctaaatg tccatagtgc	120
atgcattttt taaaaccc	138

<210> 14191

<211> 131

<212> DNA

<213> Homo sapiens

<400> 14191

gatatttgct taagccttct taccctttct ttaaataact catatctttt agagtaacag	60
gactacaaaa gaaaaactga aagaaaaaaa aaatcactga tttgcaggca ccattgcaaa	120
cttgaamcc s	131

<210> 14192

<211> 331

<212> DNA

<213> Homo sapiens

<400> 14192

taagcatcgg gccaaacctt tctccatttt gcgggtctagg aagtagcaga ggccccttcc	60
tgtaggagtg tgccatggag acgcggtggg gcaccgacgg agttctaata acggccgtga	120
ttgggtcagg atcctgctaa tctcaggaag gcccgtagag aagggcagac actggcctca	180
gatacctgac ctgggtaccct ctatgaggcc tgcggtgctg ggctccccag accgagcacc	240
cccagaagat gaggggcctg tcatggtgaa gctagaggac tctgagnwgg aggggtgaggc	300
tgcccttatgg gacccaggcc ctgaagctgc a	331

<210> 14193
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 14193
 acatccctat ccgcaagcga gaccgccggg gctgctttgc agttcccatg gtgcactcga 60
 ccttcctgat cgacctgcgg aaggcggcgt ccaggaacct ggccttctac ccacctcacc 120
 c 121

<210> 14194
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 14194
 agatgcytct gggtcgcggg gtgctaagcg aggagtccga gtgtgtgagc ttgagagccg 60
 cgcgctagms cgaccgcscg agggatggcg gccaccggga ncgcggccgc agccacgggc 120
 aggtcctgc ttctgctgct ggtggggctc acggcgctg cnttggcgct gg 172

<210> 14195
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 14195
 cctagccttc ttcaaggcct ccagggctgg gcccaagcgc ccgtcgacgg caccctgggc 60
 ccagaggact cgcgggcctc atctccaatg attcagaact cacgtccgtc gctgctgcaa 120
 ccccaagatg tcggagacac ggtggaaacg cttatgttac atccggtgat caaggcttc 180
 ctgtgtggct ccatacgcgg g 201

<210> 14196
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 14196
 atttcttata ggtgatacct gctaagcgct ccccgctac ccagagactg ggaggaacct 60
 ggaaaatcct cacgtgaggt gaagcgcagg cgagtggggc cagacatggt ggctcatgcc 120
 tgtartctca gcactttggg agactgagat gagaagatca cttgaggcca ggagtccgag 180
 accagactgg caacatagtg agaccctgtc tctacaaaat gctggccaag gagcagggcc 240
 tgcgcccggtg gtctcataga 260

<210> 14197
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 14197
 acggggctgc tgtaaggccg aggttgccgc ggaagcggag accatgttcc gagcggcggc 60
 tccggggcag ctccggcggg cgccctcatt gctacgattt cagrgtacct tggtaatagc 120
 tgagcatgca aatgattccc ta 142

004220" 002400

<210> 14198
<211> 315
<212> DNA
<213> Homo sapiens

<400> 14198
agtcgaagcg gagatcccgg ggtcgcgcga gagccgcaag cggagttggt gggcgctatg 60
ctatcacccg aggcagagcg agtgctgcgg taccttgtag aagtggagga gctcgccgag 120
gaggtgctgg cggacaagcg gcagattgtg gaccggaacg tacggggttt cactatgttg 180
gccaggctgg tctcgaactc ctgacctcgt gatccaccca ccttggcctc ccaatcttat 240
ttgctttaca agtcctgctt cagggttacc ttccctgacc actgctgcct ccctcccagc 300
attgcccagg gactg 315

<210> 14199
<211> 192
<212> DNA
<213> Homo sapiens

<400> 14199
agccgccttg ggatgtgcgg agtcagtgcc agcccggccc cggccaagcg gagtgtgagc 60
ccggcgcttc caacgcaaca ccccgcgccc tcgcccggctc ccccgccgtg cggatcggag 120
ccagccgggtt gttgccatgg cattcgccag ctggtgttac aagacgcatg tcagtgaaaa 180
aaccagtga tc 192

<210> 14200
<211> 158
<212> DNA
<213> Homo sapiens

<400> 14200
tgagccatga tgatgtgggg ctagggaggt ggggtggtgcc caagcggcag tcccacacta 60
gcttcataag tgtggctttc gggcaagctc aggagagtgc ctgctcctcc cctcccaagg 120
cacagatgca gtgggggagg gagtaattgg cagagggg 158

<210> 14201
<211> 256
<212> DNA
<213> Homo sapiens

<400> 14201
aaaaaccagc tctaggcggc tctgggtaag ttgtcgttct gtgggctgcg gaacgmgaact 60
tcggstggac ttgcctgcgg tgacacctgc tcccctctga gagcttcagg ttctccggcc 120
tgcccttcaact ggtttgtgtc cagagccgga ctgattctct caatttgca tcttcagcct 180
gttaaacaaag aaaacgaaaa accccttcca gaaaacatgg atgcatttgc tgcttcttca 240
tttttctctt gcggct 256

<210> 14202
<211> 192
<212> DNA
<213> Homo sapiens

<400> 14202
gaagtaggca ggggcgaggc ggctggggac cgcggggcgg acgggagcga gtatgtccgc 60
tctgactcgg ctggcgtctt tcgctcgcgt tggaggccgc cttttcagaa gcggctgcgc 120

acggactgct ggagatgggt gagtccgtca gtagatcctg aatgaataat ataattggta 180
tatgaggaca tt 192

<210> 14203
<211> 396
<212> DNA
<213> Homo sapiens

<400> 14203
aatttttagtt tccttgggcc tggaatctgg acacacaggg ctcccccccg cctctgactt 60
ctctgtccga agtcgggaca ccctcctacc acctgtagag aagcgggagt ggatctgaaa 120
taaaatccag gaatctgggg gttcctagac ggagccagac ttcggaacgg gtgtcctgct 180
actcctgctg gggctcctcc aggacaaggg cacacaactg gttccgttaa gccnntctct 240
cgctcagacg ccatggagct ggatctgtct ccacctcatc ttagcagctc tccggaagac 300
ctttgccag cccctggnac ccctcctggg actccccggc cccctgatac ccctctgcct 360
gaggaggtaa agaggtccca gcctctcctc atccca 396

<210> 14204
<211> 126
<212> DNA
<213> Homo sapiens

<400> 14204
actacttccg gggttctagca ttctggtcgg aatccacctc tccgcctgtg caacacacac 60
tttacwcacg cacggggact gcaagcgggc agcatcgatc gtgggtcctt taagacaaac 120
tcagac 126

<210> 14205
<211> 254
<212> DNA
<213> Homo sapiens

<400> 14205
acaatccacg tcctgaccca gctgatctga agtgccgtgt gaagcgggag gccgcaagct 60
cagcaacgca gggtctgggt tctccacgct gtctttaata acatctgtca tacaaaaatc 120
agcccggtc ggtggcgctg gcttataatc ccagctactc gggaggctga ggcgggaaaa 180
tcgcttgaac ccaggagggg gatgttgagc ttagccgaga tcgcgccact gcgctccagc 240
ctgggacgaca ganc 254

<210> 14206
<211> 200
<212> DNA
<213> Homo sapiens

<400> 14206
gctttcactt cctcctccga gagcggacag atctctgggt gctgggaggt catggcgcta 60
ctagatgtat gcggascccc cgagggcagc ggccgggaatc ggctctcccg gttgcgggaa 120
gcgggagctc ctcggaccca ggacactaca gtttctctat gcgatctcca gagctcgctt 180
taccocgggg aatgcagccc 200

<210> 14207
<211> 253
<212> DNA
<213> Homo sapiens

<400> 14207
 ggcggccgag ggggcatcat gaagcgggct ggcggcgctg cssntcccgg gsggccgcgg 60
 gcgaggagtg cttcccaagg accgtagatg cctctctaga gcatgagctc aggcaagagt 120
 gcccgtaca accgcttctc cgggggggsc agcaatcttc ccacccaga cgtcaccaca 180
 gggaccagaa tggaaacgac sttcggacce gccttttcag ccgtcaccac catcacaaaa 240
 gctgacggga cca 253

<210> 14208
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 14208
 gggcggtact tttatgagag gaggtgctgg aggggtgggct tgcgctcggc gtttcagtgc 60
 tggtcgcgct ctggctgggc acgaacgtag aggtcaggct arggctgacg atgctggcta 120
 agcgggggag cacgtctggg aagtcgtcgt cgtagtcacc gatgtccgtg accttccaga 180
 ggtactcttc gctgaacgtc tcaggggcct ccaactcctg ctcttcccc accaactcct 240
 cctccaccac ctctctctcc tscnctcca 270

<210> 14209
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 14209
 agagccgcgg cgtaacggca gccatcttgt ttgtttgagt gaatcggaaa ggaggcgccg 60
 gctgtggcgg cgggagctgc tcggaagcta cacctcgcaa gggctcccc ctttccccac 120
 cccytcccc 129

<210> 14210
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 14210
 ctttttccgg cgctccgggt gcgagagaca ggtcggggccc cctaggcagc gagccgcagc 60
 gcaatcccgg cgctcgccca aggaccctgg aagctaccgt taccctcgccg ggcagcgtgg 120
 gcgccatgag cagctcggga ctgaattcgg agaaggtagc tgctctgata cagaaactga 180
 attccgaccc ccagttcgta cttgccaga atgtcgggac caccca 226

<210> 14211
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 14211
 tcactactag atgcagtgt gggaccttcc tcttttgag ctgtcccatg tacagtggac 60
 ccaagctcag gaccttcgtg gagctgcttc tccaacctga gaaactcaag accc 114

<210> 14212
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 14212

agaggaggaa	gctcctgccg	gctgagcggg	cctggaggaa	gtgagcagcg	gggctcctgc	60
cwcccgccct	ggtccccgaa	gaccccagaa	gaacccggaa	cttgcttcca	ttcggaatcc	120
agggaccacc	ctttgcactc	agtaggcctt	tgttttcctg	cgtggaaagc	ggttgggctt	180
gggagggcat	ggagccggag	ttcttgtacg	acctgctgca	gctccccaag	gggggtggagc	240
ccccagcgga	ggaggagctc	tcaaaaggag	gaaagaagaa	atacctgcc	cccacttccc	300
ggaaggaccc	caaatttgaa	ngaac				325

<210> 14213

<211> 148

<212> DNA

<213> Homo sapiens

<400> 14213

actcttaaaa	ggctcccaca	gccactccta	gcaccagttg	ttgaccagcc	tgccacttgc	60
ctccctgcct	gcttctggcc	gccttgaatg	cctggtcctt	caagctcctt	ctgggtctga	120
caaagcaggg	accatgtcta	cctttggc				148

<210> 14214

<211> 151

<212> DNA

<213> Homo sapiens

<400> 14214

gttgcccccg	ccgcggggcg	agatggattc	cgggtgctgg	ttgttcggcg	gcgagttcga	60
ggactcggtg	ttcgaggaga	ggccggagcg	gcggtcagga	ccgccgcgt	cctactgcgc	120
caagctctgc	gagccgcagt	ggttttatga	a			151

<210> 14215

<211> 392

<212> DNA

<213> Homo sapiens

<400> 14215

gtctgaagg	gctgcgggat	gccgttcctt	cgcgctgag	gctgcggctc	tgacgcccc	60
taggtcctt	caatttcctg	gaccccgga	gtccccagga	gaccaggtga	tggcagcagc	120
cagactcctg	ccagtgcggg	caggacccca	ggccaagctg	accttcgagg	atgtggctgt	180
gctcctctcc	caggatgaat	gggaccgcct	gtgccctgct	cagaggggyc	tctacagaaa	240
tgtgatgatg	gaaacctatg	ggaatgtagt	ctcattggga	cttccaggat	ccaagcctga	300
cataatctcc	cagctggagc	gaggggaaga	tccctgggtc	ctggacagga	aggnggctaa	360
gaagaagcna	gggcctgtgg	agtgactact	ca			392

<210> 14216

<211> 309

<212> DNA

<213> Homo sapiens

<400> 14216

aacttgttcg	cgttttgttc	tgtactggaa	gctttttttt	cttttggctc	ttgcaatgaa	60
ttatgttgct	gtccctttt	tgggcctaca	ttgtctttat	aagctgtaac	gctcaccgct	120
gaaggctctgt	agcttcaact	ttgtaagcta	gcgagatcac	gaaccacca	aaaggaaaaa	180
actccagacg	cgccaactta	agatttgtaa	tattcattgt	gaggggtccgc	agcttcattc	240
tttaagttag	tgtgagacca	agaacctact	aattcggaac	acagtctcag	ctcattgcaa	300

ccttcacct

309

<210> 14217

<211> 235

<212> DNA

<213> Homo sapiens

<400> 14217

agattctggc	aggacmgctg	gcgggcaggc	aggggacagt	tgggccatat	ggtgctcttc	60
ccagtctggt	tcctgtacag	tctgctcatg	aagctgttcc	agcgtccac	ssccagccat	120
caccctcgag	agcccgga	tcaagtaccc	ctgctggctc	atcgaccggg	agatcatcag	180
ccatgacacc	cggcgcttcc	gctttgccct	gccgtcaccc	cagcacatcc	tgggc	235

<210> 14218

<211> 437

<212> DNA

<213> Homo sapiens

<400> 14218

ctactctatg	gtgactttgt	gtttttgaat	tgaagtcggt	tcattgtctgt	gtcttttttt	60
tttcttcaac	tggtatttta	agttctaggg	tacatgtgca	ggatgtgcag	attgtttaca	120
taggtaaaca	cgtgccatgg	tggtttgctg	cacagatcga	cccatcacct	aggtattaag	180
cccagcatcc	attagctatt	cttctctgat	ctctccctct	tccctcccca	ctctgacatg	240
gccagtggtg	tgctattccc	caccacaaaa	tgctccatgtg	tntcattat	tcagcgccca	300
cttataagtg	agaacatgca	gtaaaacact	gcctttatag	gcttccttcc	cttactgtc	360
ttacttcccc	antccctact	gctgctctct	gggatcacct	ctcacagaag	ctgtttgtac	420
tttaatcatt	gtctgag					437

<210> 14219

<211> 358

<212> DNA

<213> Homo sapiens

<400> 14219

ttttaactag	gaaggaatag	taaaaggctc	aagcagccac	gttgctcagaa	agcttcagtt	60
catactgtcc	tccacctggg	acttgtgaat	ccctgtgtta	cctatggctg	gactcagtat	120
attcattatg	ttcatataat	gcaaataatt	agaagtgagg	ctgacctgtt	ttttatattt	180
tttaaagtaa	atctcagaat	cagagaaatt	atcatttcct	ttgatctaag	aagttagtga	240
ctcacttttag	taagagaaat	atttttaaag	gcacagaaaa	aagactaaga	attataataa	300
tataagaaaa	tattttctgac	tagaaatatt	acagtataac	tattgctggg	taattagc	358

<210> 14220

<211> 143

<212> DNA

<213> Homo sapiens

<400> 14220

ttaagcttcc	tcagaggttt	tgggggtttgc	cagcctgata	caccatggta	cccaccttca	60
tccacgggtac	ccacccccak	cccccaattc	ccagtgatky	cactcctgtt	tactttgttc	120
cactttctta	caagaaaaat	cac				143

<210> 14221

<211> 304

<212> DNA

<213> Homo sapiens

<400> 14221

attwtttttg	agaagctgaa	gcaactccaa	ggacacagtt	cacagaaatt	tggttctcag	60
ccccaaaata	ctgattgaat	tggggacaat	tacaaggact	ctctggccaa	aaacccttga	120
agaggccccg	tgaaggaggc	agtgaggagc	ttttgattgc	tgacctgtgt	cgtaccaccc	180
cagaatgtgc	actggaggct	gtgccagatg	cctggggggg	accctcattc	cccttgcttt	240
ttttggcttc	ctggctaaca	tcctgttatt	ttttcctgga	ggaaaagtga	tagatgacaa	300
cgac						304

<210> 14222

<211> 294

<212> DNA

<213> Homo sapiens

<400> 14222

attatttttg	agaagctgaa	gcaactccaa	ggacacagtt	cacagaaatt	tggttctcag	60
ccccaaaata	ctgattgaat	tggggacaat	tacaaggact	ctctggccaa	aaacccttga	120
agaggccccg	tgaaggaggc	agtgaggagc	ttttgattgc	tgacctgtgt	cgtaccaccc	180
cagaatgtgc	actgggggct	gtgccagatg	cctggggggg	accctcattc	cccttgcttt	240
ttttggcttc	ctggctaaca	tcctgttatt	ttttcctgga	ggtggacttc	aaat	294

<210> 14223

<211> 120

<212> DNA

<213> Homo sapiens

<400> 14223

gectgagagg	gacgctgttc	cgccgcgtgg	aagcttcgag	tctcgactcc	actggtgacc	60
cctagacgag	agtagtgag	cgacggggcc	gtgatgtgcg	tcctggcttt	cttaacgaca	120

<210> 14224

<211> 319

<212> DNA

<213> Homo sapiens

<400> 14224

agaggttaca	gacaagatgt	cggcggatgg	tagcttcgag	cccttgcgga	gaggagcatc	60
tctgtgacag	aagcttgtcg	acggcggtt	ctaggagcta	gtcgaaggag	cgagggtgag	120
gcgggcagcg	accgctcagg	tcgctcacct	gggcaccggc	cagctgcgag	acgtgacttg	180
gggaccgcag	ggagtggaga	gtgtgagggtg	ccaaagacta	gtaatgcccc	gtatccccct	240
aggaagccgg	gaagccaagc	tccgcgggac	cgcttcattg	cgctgactgg	tgtagagccc	300
gccagaatga	acaggaaga					319

<210> 14225

<211> 376

<212> DNA

<213> Homo sapiens

<400> 14225

ttctgctggt	taatgtatct	tacgccacgg	atcatttatt	tttatgaagc	tttcaagtct	60
ttgtgtgcaa	gtaaaatgat	gttgtggcgt	tggttcttga	tggttaagtgg	actgcctaga	120
ggammtttgt	taaaggtcaa	agacaaattg	tacacatatg	gagaaaatta	gcaatgctgt	180
agtcttaagg	aaaaaatgat	ttatcattca	tatcaaaaag	agtttagcrr	atggaaaacc	240

agttaatgct ttaatttttaa aatgttttgg ttgtcttact tttccctaaa aatgacatga 300
ngtaaaaaat ggatactttt aaaatccctt cccttctgct attttctggc ttttaaagkg 360
attattcaaa aatgaa 376

<210> 14226
<211> 489
<212> DNA
<213> Homo sapiens

<400> 14226
tggcctcggg aagcttttgc cactttcgc cactctccgg ggacccctgg caccactatc 60
atgggaatga gcctgggctg gcctgttga gcatgggaga ccgcgtggag ccgagatgag 120
ttgtcccaga tgggacattt ggaccggccg gtctctgcca atatcagcca ggccctggcct 180
ggatctgctg agtgtggccc aaactgccaa accagagtca cagtctaaat aagtgtcat 240
agcagcattg tttacaatag caaaatggtg gcagcaacc aagcgtccat caaaggatga 300
atggttaaac agtatgtgtg atctacatac agtggaatat tagccagcct taaaaaggag 360
ggaaatcctg atgcatgcta ccatgtgggt gaaccttaag gacattatgc taggtgaaat 420
aaagccattc acaggacaaa tattgcataa ttccacttat aagagggtct aaaatagtca 480
actcataga 489

<210> 14227
<211> 78
<212> DNA
<213> Homo sapiens

<400> 14227
attttccac cttttctggt tctctgaatc acaatgactt tatttttagct tgttacttac 60
acaaggaaaa tgatccct 78

<210> 14228
<211> 263
<212> DNA
<213> Homo sapiens

<400> 14228
aaaaatttca gcagagagaa atagagaaa cagtgtgtgt gcatgtgtgt gtgtgtgaga 60
gagagagggg gagagcgag agggagaggg agagagagaa agggaggga gcagagagtc 120
aagtccaagg gaatgagcga gagaggcaga gacaggggaa gaggcgtgcg agagaaggaa 180
taacagcttt ccggagcagg ctacacata ctccctctct ctcnycttct ctccctctcc 240
tccctctccc cctacctatc ccc 263

<210> 14229
<211> 128
<212> DNA
<213> Homo sapiens

<400> 14229
agtcaatttt aaggaattaa tcttttatat ataatttctc agttttcatt tctaatatgg 60
taaataccaa tagttacaat ccacatgaaa aaaacttctt tgagtcttca atttttaaac 120
atgccaaag 128

<210> 14230
<211> 318
<212> DNA

<213> Homo sapiens

<400> 14230

agagacattc	cggtcgggaa	gggcaggagg	ttagaagggtg	ggtgccccgc	caggcagtc	60
agggagaccc	aaggacagga	gacgctggct	gcacagcaca	ggggcgcacg	aataggacgt	120
tttgtttaca	ggcttttgtt	attaaggaaa	ttggtgtcag	tcaaggtaat	tctagctcag	180
atgagcaata	aatatgctcc	cagctaattct	tgtggggatt	ttattggcac	tcggagcaga	240
ggttccttta	ccttgactac	tccctcccct	caaagcaaag	tcctgctccc	cagcggcttc	300
cccctanagc	atcgtgaa					318

<210> 14231

<211> 107

<212> DNA

<213> Homo sapiens

<400> 14231

gtttttctgct	ctccgcccgt	gtggagtgg	gggggcctgg	gtgggaatgg	gcgtgtgcca	60
gcgcacgcgc	gctccctgga	aggagaagtc	tcagctagaa	cgagcgg		107

<210> 14232

<211> 136

<212> DNA

<213> Homo sapiens

<400> 14232

atgcgagtgg	gccgcggg	gggttgagc	ctactcggg	cgactgcgat	ggacgcctta	60
gaaggagaga	gctttgcgct	gtctttctcc	tccgcctctg	atgcagaatt	tgatgctgtg	120
gttgatatt	tagagg					136

<210> 14233

<211> 88

<212> DNA

<213> Homo sapiens

<400> 14233

tcaaggagca	gcgccccaa	aggtcttttag	ctgtttttta	aggggagaac	agcctttacc	60
ctctttggac	tttttcttcg	ttttttt				88

<210> 14234

<211> 199

<212> DNA

<213> Homo sapiens

<400> 14234

aacttccggc	cctgcgcact	caggggtctga	gcagctagta	gccggagrgt	caccatgaag	60
ttcaatccct	tcgttacctc	ggaccgcagt	aaaaaccgca	aacgtcactt	caatgcccc	120
tcacacgtgc	gcaggaagrt	catgtcatcc	ccgctctcca	aggagctgcg	gcagaagtac	180
aatgtccgct	ccatgcccc					199

<210> 14235

<211> 602

<212> DNA

<213> Homo sapiens

<400> 14235

caatgagaac	tagagccagg	ctgtgggtccc	tggccatcaa	cagtgttggt	gacggcaggg	60
agtccctttg	gtttaataaa	tccagttttt	ctttgggtat	ccaaattctc	ccctcctttt	120
gtwrgaggwa	aggctctcag	aacctgtgtc	catgttggaa	cttccccag	tgtggatgca	180
gatacgagc	tcctgagctc	cagcctaaag	tcttctgtag	cctcagcaat	acttgggcac	240
ctgctgtctc	actgaatagc	tttcttttgt	gacaaaggcc	acagacagcc	cttagactat	300
tccggaaaca	gtaggaaaaa	ttacatatgt	ctttgacttc	ttatttctga	ctccactgat	360
tttagccata	atactttaag	gagctacttt	ttactacccc	ttaccgtgct	gacttctgca	420
ggtctgcctt	gtgacctgtc	aggaactcct	gagttacgct	actgggggtca	cctgttgctc	480
ccctagcaag	ttaggcatgt	catatatatt	taacagcttt	attgagatat	aattcacata	540
ttatacaatt	cacctttaaa	acatacgatt	caatggtttt	cagcaaactc	acagagttgt	600
cc						602

<210> 14236

<211> 107

<212> DNA

<213> Homo sapiens

<400> 14236

gttgaggctg	cggtcatgga	gggagcagga	gctggatccg	gcttccggaa	ggagctggtg	60
agcaggctgc	tgcacctgca	cttcaaggat	gacaagacca	aagtgag		107

<210> 14237

<211> 106

<212> DNA

<213> Homo sapiens

<400> 14237

tttgtcgggc	tgctgctctc	agcggcgggg	ctcgccagcg	cttcagtggg	cggggacgcg	60
gcaggtgact	ccagaccaag	gaggatgagc	tgctgtccct	ggaaga		106

<210> 14238

<211> 234

<212> DNA

<213> Homo sapiens

<400> 14238

ctttgttggt	ttctccacca	taaatccaca	tccaggaagg	agtcctcaaa	tctacagata	60
gcctcaacat	aggacaagag	gctcaatgtc	attcattatt	ggtgaaatgc	agatgaaatc	120
acaataggat	taataaaaaat	acaaacaaac	aatgatacca	agtactgagc	aacgatgtgg	180
agcaactaga	actcccatgc	atcaggaaaac	atgcacggaa	atgtccactg	cagc	234

<210> 14239

<211> 104

<212> DNA

<213> Homo sapiens

<400> 14239

tttaacaaca	aattagcaga	acaactggat	gttctggaag	ttgagatccc	ttcacttcat	60
tttttttctt	tccccgctg	ccaaggagtt	atcctgtgga	ctgc		104

<210> 14240

<211> 234

<212> DNA

<213> Homo sapiens

<400> 14240

accagaggag	agagcgagag	agggaaaccag	accccagttc	gccgactaag	cagaagaaag	60
atcaaaaacc	ggaaaagagg	agaagagcaa	acaggcactt	tgaggaacaa	tcccctttaa	120
ctccaagccg	acagcgggtc	aggaattcaa	gttcagtgcc	taccgaagac	aaaggcgccc	180
cgagggagt	gcggtgcgac	cccagggcgt	gggcccggcc	gcggasccac	actg	234

<210> 14241

<211> 222

<212> DNA

<213> Homo sapiens

<400> 14241

tattgtaatt	gggaatccag	gaagaattat	aatttgtttt	gatttttgatt	tttagaaaga	60
ggagttaaaa	ctgacacaag	agttagagat	aatgatttag	ttgggacact	ttcacactga	120
cgtatccaag	gatatattca	ggcacttgga	taaatgagt	tgaaactcat	aaaggttaga	180
aggaataatt	gagttattag	tatctgtttt	tttttttttt	tt		222

<210> 14242

<211> 184

<212> DNA

<213> Homo sapiens

<400> 14242

acttcatggc	ttctcacgct	tgtgctgcat	atccacaccc	aattagaccc	aaggatcagt	60
tggaagtttc	caggacatct	tcattttatt	tccacctca	atccacattt	ccagatgtct	120
ctgcagcaaa	gcgaaattcc	aggagaagag	gacaaagata	ctcagagaga	aaaagtaaaa	180
gacc						184

<210> 14243

<211> 112

<212> DNA

<213> Homo sapiens

<400> 14243

gatagggcgk	ttctatgtag	atgaggcagc	gcaggggctg	ctgcttcgcc	acgaaggatt	60
tcccgtgccg	tgggagcggg	ttcasgmccg	ctggtcggac	ctkagagtcc	ca	112

<210> 14244

<211> 92

<212> DNA

<213> Homo sapiens

<400> 14244

taagacgagg	ctgcgcccgg	attccgggtc	gcagggagac	cgaaggcaca	gctccccgcg	60
ccgcgcacgc	cgcccagacc	cggagtgcgg	tc			92

<210> 14245

<211> 132

<212> DNA

<213> Homo sapiens

<400> 14245

tttgtttcca	aggcagaata	gttcccttga	atattttaata	gcttctgatg	gtcttcttcc	60
agctgggtccc	acacgtggca	gcctcacgga	ggggctccct	gaggcaggac	cctcatgcct	120
gccttttccc	tg					132

<210> 14246
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 14246						
aagacacaat	ggggcacggt	aaccagactg	gtccgtaagg	gttccaggaa	ggaatgcagt	60
ttcaagagaa	cagtttgaat	ctttattcga	atttgaattt	tggtaacaatg	aagagagtca	120
gctgcaactt	gacaatcgaa	atcttcagaa	aagcgacaca	aatacgttcg	cctcgaggaa	180
tattgggtct	tctgcgcggc	cgtagagctc	cgccaagtgc	gcctgcgcgg	aggagaagtg	240
gcgtcgagtc	cgcccgggca	gtagaggaat	tgcggtagtg	accctcgggc	ctcgccatga	300
agagccgctt	tagcaccatt	gacctccgcg	ccgtactcgc	ggastgaatg	ctagcttgct	360
aggaatgaga	gtaaacaatg	tttatgatgt	ggataataag	acatacctta	ttcgtcttca	420
aaaaccggac	tttaaagcta	cacttttact	tgaatctggc	atacgaattc	atacaayaga	480
atttgagtgg	cctaagaata	tgatgccgtc	tagttttgcc	atgaagtgcc	gaaaacattt	540
gaagagtcgg	agattagtca	gtgcaaaaca	gcttgggtgtg	gatagaattg	tagattttca	600
atttggaagt	gatgaagctg	cttaccattt	aatcattgag	ctctatgata	gggkaagtta	660
aatttggtgg	atatggtgaa	ggaaaatttc	ttattaatca	ttttgtaata	gtgct	715

<210> 14247
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 14247						
gcttaggcgg	cggtggctga	gaaggcagcg	gggcggcggc	ggcctctggg	agtctggaaa	60
agggg						65

<210> 14248
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 14248						
cttttcccc	gagcgcgcag	tggcagcggg	ggttgtwtct	gttcggggag	gattccgagg	60
gtttcagctg	ttgacgcttt	acgcgttgcm	ggcgcacgtc	gggccgctgt	ttcccagggg	120
aaggcaggtg	tgctctctcg	ttacagggaa	aggcacttag	aactgtctga	gtggccccgt	180
aagccagcga	gggcgcattt	cccggcgcgg	acgggctgct	ggtggttttg	gtggctgctc	240
tccggaggca	cacctggmac	gtcgaaggg				269

<210> 14249
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 14249						
aggagtga	aggaggcggc	ggccgcagct	gcgagcaaca	gatccggacg	ccgcgagctg	60
accgcgtctg	ctgttgggcg	attttttttt	aattgcagaa	aaattttattw	aattggaaaa	120
tcttgcgttt	ttcaatggcg	ctggcccccg	gtcagcgggc	gattttctct	gcatcaagat	180
gggctttgcc	gtttccgtag	tgggcaccag	tggtggcctg	attgtcagtc	ttctcccggc	240

atttttaagg ccaggagccg agcgctgctt gtaggcgaat accctacaga gcggtttggc 300
 tttttaaatt actgttatta ttttgggc 328

<210> 14250
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 14250
 accccatctc gattatgtcc agctagcccc tgataagtcc cttcttgggc cagaggagtg 60
 cagccacaag gccagggtga ggcaatgtag ccactgatct tttcttgctg tcagtgggca 120
 gcattcttaa ggagactctc agtgagttgc atttctttt tcttttttct tttctttttt 180
 ttt 183

<210> 14251
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 14251
 agcctgagat ccgtaatatg gcggggagga ggaggagaag gcggcggcgg accgagctgc 60
 gctctgtcag taccatttga gccattcgct tcctgacaag gcccggtggc aggggagagg 120
 agctgaaggg gccgtggggg atcagtgctt gctgtgtgct gatactgttc tgtgtaatgg 180
 ggattcagtg aacaagactg aaaaggtacc tgtacttatg gcgcttacat tttggtggag 240
 gaagacagac aaaaatcaag gaaataaaca cgataatttc agatagtgtg tgactgtggg 300
 aagatggagg a 311

<210> 14252
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 14252
 tttggaaggg gaggtggagt ccagggaagg ccgcagagct ccaggctgtg gaatgcacgt 60
 gccactgcag aagggtttcc aggccaggag actgccc aaa tggg 104

<210> 14253
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 14253
 agcgccatc gctggctctt ggggcgcaga gaggggccc agtctccgcg gctgcgtcga 60
 gctcccttgc agtcccttcc atgttcccc gcgccactac tcccttccct aaggccgccg 120
 cttaccccg ggtctatgga agtaatggaa ggaccctca acctgatgga gtttactct 180
 tgttgcccag gctggagtgc aatggcacga tctcagctca ctgcaacctc tgccc 235

<210> 14254
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 14254
 acctcctatc gagccctggc tctccgggca gctggagggg tcgcgctgcg cctgttgggg 60

ctgcacctcg	gaccagggct	tctgctgcat	ctgcagccat	gtcggggccgc	tcagtgccac	120
atgcccaccc	ggccaccgcc	gagtacgaat	ttgccaaccc	gagccgcctg	ggtgagcagc	180
gcttcggaga	aggcctcctg	ccagaagaga	tcttgacccc	c		221

<210> 14255
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 14255						
gaaagaaccc	ayygcctgggg	ctggccggcg	tgtgccnnng	agcctctaag	gagatgaaac	60
tgcactcaac	caggatgaga	ggctgcccgc	ccaatgcagc	tgccgccccg	tctgctgcgg	120
aggctttgct	ttttgactcc	ctggcgacag	taaagttgaa	gagcttccgg	ccggagsana	180
tagatgggac	ccccggaagg	cggaagttct	agggcggaag	tggccgasag	gagaggagaa	240
tggcggcgga	aggctggatt	tggcgttggg	gctggggccg	gcggtgcctg	ggaaggcctg	300
ggcttctcgg	ccccggccct	ggccccacta	cacctctctt	tcttcttttg	ttgttgggggt	360
ctgtgactgc	ggatataact	gacgrc				386

<210> 14256
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 14256						
acaaaaaaca	gtctcaaaaa	caaccatttc	ctctctgctg	agagccaggg	aaggcgagct	60
ctgcgcacac	ggcgctccct	gcagcagcca	ctctgctttc	caggaccggc	caactgccct	120
graggcaycc	acacaggggc	ccangcagca	cagasgagct	gtgaaccgcg	tccacaccgg	180
ccaccctgcc	cggagcctgg	cactcacagc	agggcggtgc	taaggagtgt	ggcgcnngct	240
cgactccac	tgctgccggc	ctcccagatg	actctgtttt	ccactgctgc	aggcgagaag	300
aggcacgcgc	ggcacaggcc	ggcctccgct	tcccgggaag	acggcgact	cc	352

<210> 14257
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 14257						
aatttagcgc	ggagagtttc	ccgggtggac	gcggctcctc	tctcggccac	tccgcacccc	60
catcttcggt	gacagaaggc	gcctggtggg	ggtggctgct	cttttcyctc	cctgttcccc	120
ctcacag						127

<210> 14258
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 14258						
gcaccgcgcc	ascgggctgc	agcggccgcg	caccaaggct	gcgatggggc	tggagacgga	60
gaaggcggac	gtacagctct	tcatggacga	cgactcctac	agccaccaca	gcggcctcga	120
gtacgscgac	ccsgrgragt	tcgsggcact	crassagga	ccgggatccc	cascggctca	180
actcgcactc	caagctgggc	ttcgaggatg	tgatcgcaga	gccggtgact	acgcactcct	240
ttgacaaagt	gtgaatctgc	agccatgc				268

<210> 14259

004220" 66666666

<211> 269
<212> DNA
<213> Homo sapiens

<400> 14259
gttgcggaag tgatagccgc cgaccgagcc tgctgcttcc ttgctactgc ttcggcttcc 60
cggctacccc ccggacgggtg aaggcggccc agctgtggat ggtcagatag cccttgtctc 120
ccgccgccaa tctctggccc ctagcagcac ggagcagacg gcggcagcag cagcagcagg 180
cgaggaggaa gatggcggga cggctgccgg cctgtgtggt ggactgtggc acgggggtata 240
caaaactagg atatgctgga aatacagaa 269

<210> 14260
<211> 588
<212> DNA
<213> Homo sapiens

<400> 14260
aattttcaatt tgaaacctag cggaggggagg aggcaggcgc ggctgccggc ggctgggact 60
gaagagggac ggggtcccgcg gcgagcgagc tcctgagcat aagctgtggc catgactact 120
gaagtaggct ctgtgtctga agtgaagaag gactctagcc agttaggaac agatgcaacc 180
aaggaaaaac ctaaagaagt agcagaaaat cagcagaatc agtcttccga tccagaggag 240
gaaaaaggtt cccagccacc tcctgcagct gaaascaaag tagtctacgc cgccagaaga 300
gagagaagga aacatcgnmw agcaggggta tttctcggtt cataccgccca tggcttaaga 360
agcaaaaagtc atatacctta gtatgtggccm aasatggagg agataaamma agagcctacc 420
caagctgtng ttgaagaaca ggtcttagat aaagaggaac cccttccaga agaacmgaga 480
caggctaagg gtgatgctga aaaatggctc agaagaaaca agagattaaa gttgaagtca 540
aggwagaaaa accctcagtg agcaargama aaaccctcag tgagcaam 588

<210> 14261
<211> 203
<212> DNA
<213> Homo sapiens

<400> 14261
gtgggttcccc gcggcgctgc gssggcggtg attagtgatt gtcttccagc ttcgcgaagg 60
ctaggggagc ggctgccggg tggctgcgcg gtgctgcccc cggaccgagg ggcagccaac 120
ccaatgaaac caccgcgtgt tcgcgcctgg tagagatttc tcgaagacac cagtgggccc 180
gttccgagcc ctctggaccg ccc 203

<210> 14262
<211> 350
<212> DNA
<213> Homo sapiens

<400> 14262
ggaagtggca cgtggagggg ccggtggagg cgcgggtgag taaatgccgc agattctgga 60
aagttctgat cagtgcgata cataaggctg aggaagtggg acctcccctt ttgggtcggt 120
agttcagcgc cggcgccggt gtgcgagccg cggcagagtg aggcaggcaa cccgaggtgc 180
ggasgacctg cggaggetga gccccgcttt ctcccagggt ttcttatcag ccagccgccg 240
ctgtccccgg gggagtagga ggctcctgat aagaaacctt gggagaaagc ggggctcagc 300
ctcttgcaag ctccgttgca cgctgctca cctctctccc ctcccggccc 350

<210> 14263
<211> 383

<212> DNA

<213> Homo sapiens

<400> 14263

ggaagtggca	cgtggagggg	ccggtggagg	cgccggtgag	taaagtccgc	agattctgga	60
aagttctgat	cagtgcgata	cataaggctg	aggaagtggg	acctcccctt	ttgggtcggg	120
agttcagcgc	cggcgccggg	gtgcgagccg	cggcagagtg	aggcaggcaa	cccaggtgct	180
ggasgancct	gcggaggctg	agccccgctt	tctcccaggg	tttcttatca	gccagccgcc	240
gctgtccccg	ggggagtagg	aggctcctga	caggccgcgg	ctgtctgtgt	gtccttctga	300
gtgtcagagg	aacggccaga	ccccgcgggc	cggagcagaa	cgcgccaggg	gcagaaagcg	360
gcggcaggag	aagcaggcag	agg				383

<210> 14264

<211> 354

<212> DNA

<213> Homo sapiens

<400> 14264

agtcgcgcc	ctccctctcc	gccccacccc	cctgtcggcg	tctgggcctc	gtcccccttct	60
ctctgtctcc	cttgccctcc	ccatcacgtc	ccctgacacc	gacaccccat	tgctcccaca	120
stctccccag	tctccacttt	ggtccccagc	gctgtctgcc	cgaggatttg	cctgaaggct	180
gcccccaact	ctgcacccgc	cccccgaggg	ccaccgagga	ccatgactaa	gacagatcct	240
gccccgatgg	ccccgccacc	ccgaggagag	gaggaagaag	aggaggagga	ggatgaaccc	300
gtccccgagg	ccccagccc	caccagggag	cgccggcaga	agcctgnngt	gcac	354

<210> 14265

<211> 238

<212> DNA

<213> Homo sapiens

<400> 14265

ctggagttcc	cagccaagcc	acagacctgc	ctctgaggaa	gggaatcgag	cagggagtag	60
gaggggacct	ctggggactc	gggcctggag	ctcctgectg	cctggatgaa	gaggaggtca	120
agactttgtc	ccccactccg	caagataccc	tctctgttcc	ggagcgggtg	gacgggattt	180
caccatgtta	gccaggatgg	tcttgatctc	ctgacctcat	gatctgcca	cctcggcc	238

<210> 14266

<211> 405

<212> DNA

<213> Homo sapiens

<400> 14266

aaaggcgggg	cccgtgaaa	gaaggcgatc	cgagttctgc	tacttcctag	taagggacgt	60
ctctggagag	attctgaggt	gtttgaggtc	agtggttttc	aatcttggtt	ggctacacat	120
aggaatcact	tgaggggctt	gagaaaaata	ccgacacctg	agtcccaccc	ccgagaaatt	180
ctgatgaaat	gggtccaggg	tgagacctga	gtgggtggaac	tgggaccggg	gcctaggcgt	240
ggacaagtat	aggggtattt	ctgaccttcc	tcttcatttc	acctcttctt	tctcccacgg	300
gttcctttct	ggaagcctct	tttgcttaca	caccggcagg	taagccatct	ctgccccagt	360
ggggttcaga	ccccccggga	cgggcccttc	tctcactcat	tcgcc		405

<210> 14267

<211> 417

<212> DNA

<213> Homo sapiens

<400> 14267

ttaatcccca	atgtggcagt	attgtgtggt	gggcccttta	agaggtgatt	agatcatgag	60
ggtggagccc	ttatgaatgg	attaatctct	tcatggattc	atggattaat	gggttaatgg	120
attaatgggt	tacttggtag	ggggactgat	ggctttataa	gaagagggag	agagacctta	180
gctagcaagg	gagcagctca	gcacccccctc	catatgatgg	cttgtactgc	ctgggmactc	240
tgcaggtgtc	ccccaccagc	aagaaggccc	tcaccagatg	acactcttga	ccttggactt	300
ctcagactcc	ataactgtaa	gaaataactt	ccttttcttt	acaaattacc	cagtttcagg	360
tattctgtta	taagcaacag	aaaatgggnt	aaaacactat	atatctttct	agatctt	417

<210> 14268

<211> 210

<212> DNA

<213> Homo sapiens

<400> 14268

cagctatgtt	aataacaatg	acatctacca	ggtcactcct	gtctaccgcc	tcggtcccaa	60
cgacaaggag	atcatgaagg	agctgatgga	gaatggccct	gtccaagccc	tcatggaggt	120
gcatgaggac	ttcttcttat	acaagggagg	catctacagc	cacacgccag	tgagccttgg	180
gaggccagag	agataccgcc	ggcatgggac				210

<210> 14269

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14269

gggtgtgtgg	acgccgcttt	gttgccctgag	gtgggtggcg	gtggaagtta	agggagtcag	60
gggctatcgc	tcctcgagac	tcgcagtcgc	ggccactgca	gtcacttcgc	cagttagccc	120
ttagggtagg	agtcgcgccg	gcagcagcca	tgagcggcgg	cgtgtacggg	ggagatgaag	180
ttggagccct	tgTTTTtgac	attggatcct	atactgtgag	agctgggttat	gctggygagg	240
actgccccaa	ggtggatttt	cctacagcta	ttggtatggt	ggtagaaaga	gatgacggaa	300
g						301

<210> 14270

<211> 113

<212> DNA

<213> Homo sapiens

<400> 14270

aagtgtggct	gagctccggg	gtgtgtggac	gccgctttgt	tgcttgagat	gaagttggag	60
cccttgtttt	tgacattgga	tcctatactg	tgagagctgg	ttatgctggt	gag	113

<210> 14271

<211> 302

<212> DNA

<213> Homo sapiens

<400> 14271

agactacgtg	gcggcgctgg	aagggatgtc	gtctcagcag	tgctcggggc	castccagct	60
gctgctggtt	cctagaaccc	agaccaccca	tcgggggctg	gaaaggaagc	caaattggcc	120
cagcatttcc	caggaatgtt	acattttgac	aatcaattac	ccactttagg	tgtgacctcc	180
tcttctccct	cccagctccc	cgcaggaasn	taattagaat	tatccccatt	ctacaggact	240
gggaaatgag	gctgtgagag	tgaggaactg	aggaacttgc	tgggatttga	acaaaggcaa	300

ag

302

<210> 14272

<211> 127

<212> DNA

<213> Homo sapiens

<400> 14272

acgggggcaa	gggccgcctc	ccttcggccg	cgcgccactc	aagtacggca	gacaggcagc	60
gaggttgccg	aggccgaggc	tagcctgcag	cctcctttct	cccgtgccct	gggcgcgggg	120
tgtacgg						127

<210> 14273

<211> 383

<212> DNA

<213> Homo sapiens

<400> 14273

agccagnsyg	accccgccag	gccttctcgg	ttgggtgagc	actctctctg	accaggccat	60
gaaaagaaaa	ayctgtgcga	tgcttcccc	catgtcacgg	gactctgact	tgctttgtc	120
gtcagagttt	gcagaacttt	gggggacctg	agaggggagt	gccccctgga	cgggccacgg	180
ctgtctgtgg	cttaagggct	tttgggaagg	cggagagagg	gaaacggcgt	cctagtggcc	240
tgcttcaggg	ccaccacagg	gccctcccc	aacctctctc	tgatccaack	kgtttttcca	300
gcctagtgtg	aaacttgtgg	atgctgtgrs	ctcaagaaga	cttggcattt	tatttggaag	360
atagacatct	atttgcaact	gtc				383

<210> 14274

<211> 235

<212> DNA

<213> Homo sapiens

<400> 14274

aaattcctcg	gtctctggcg	ggagtgcggg	tgccgccccg	cagtccgctt	gtccgtcctt	60
ccctctctga	ctctcttacc	ccgggcctgt	ctctgcagag	gtcaggggag	gcggggggccc	120
agcacacgtc	cccagtggca	gcgggagcgg	cagctacggg	ttcgcggacc	tccgaccccc	180
caagggtctag	aggagcgctc	ggcggacca	agaaagcccc	cgagcggctg	cgcrc	235

<210> 14275

<211> 346

<212> DNA

<213> Homo sapiens

<400> 14275

gacattcggg	ccgcggcggc	cgctgggtgc	agccgagcgk	tgtggagcgg	agagaatact	60
camsrgggct	ctcctgatac	taacagtttt	acgattttaa	acttcgccag	aatttcgaca	120
gggtctcact	gtattgccca	ggttgggtct	gaactcctgg	cttcaagcga	ttctcccacc	180
tcagcctccc	aaagtgtctg	gattacaggc	gtgagccacc	acgcctggcc	tactcaaac	240
agtaaagcag	gtaggttggg	ggtatatatt	tgttttggga	taaaaagaaa	ctgaatctta	300
taaatattaa	atgggttaag	atgtgagtaa	atttttgggt	ttagac		346

<210> 14276

<211> 312

<212> DNA

<213> Homo sapiens

<400> 14276
aatccaactg aagaggagtt acaggcagtt cagaaaattg tttctattac tgaacgtgct 60
ttaaaactcg tttagacag tttgtctgaa catgagaaga acaagaacaa agagggagat 120
gataagaaag agggaggtaa agacagagct ttgaaaggag ttttgcgagt gggagtattg 180
gcaaaaggat tacttctccg aggagataga aatgtcaacc ttgttttgct gtgctcagag 240
aaaccttcaa agacattatt aagccgtatt gcaaaaacct acccaaacag cttgctgtta 300
taagccctga ga 312

<210> 14277
<211> 318
<212> DNA
<213> Homo sapiens

<400> 14277
tgaccgagag gaccrggaag cacctgactc agatgccgag gtggatgggtg tggatgaaga 60
ggaggaggac gaagaaggag aagatgagga agacgaggac gatgaggatg gtgaagaaga 120
ggamgtttga tgaagaagat gatgaagatg aagatgtaga aggggatgag gacgacgatg 180
aagtywgtga ggaggaagaa gaatttgac ttgatgaaga agatgaagat gaggatgagg 240
atgaagagga ggaagaaggt gggaaagggtg aaaagaggaa gagagaaaca gatgatgaag 300
gagaagatga ttaagacc 318

<210> 14278
<211> 167
<212> DNA
<213> Homo sapiens

<400> 14278
gagcgtgttt acatccgccg ggtgcgcggc ttgcgsnccg aggtcgttcg gtcgggttac 60
catcctccgc gccatggaca ccagcgacct gttcgccagc tgcaggaagg gggatgtggg 120
ccgagtgcgg tacctgctgg agcagcgaga cgtggagggtg aatgtac 167

<210> 14279
<211> 187
<212> DNA
<213> Homo sapiens

<400> 14279
tttttttggtg gcccgctatg gcggcggtgt tgaggttggg tccgggatgc ggggtctttg 60
actgaagggg taggccaagt ggaggtatca gggacgtcgc gcggcacaga agaggaccag 120
cctggacgsc ggggacgctg tcatgtacgg cgcgagcrgg ggccgcgcca aaccagagga 180
aaagcgg 187

<210> 14280
<211> 191
<212> DNA
<213> Homo sapiens

<400> 14280
acaatggcct cagaggtcac tgagggtggc cagatgtctg ggtggaaggg tctcatcctg 60
ttttccagct ccattccagg cagcctcctc acgatccaaa gaacggcata aggggccct 120
gtttcctgag acccagtcag agctcctata ctctcccacc ttgttcctct gagctgacaa 180
atgacatcgg a 191

<210> 14281
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 14281
 tgggtctcaat ctctgacct cgtgatccac ccgccttggc ctcccaaagt gctgggatta 60
 caggcgtgag caccgtgcct ggccgacatt tttaaaaaag ttttattttg cacggctcta 120
 aacctccatg ttattttcca gtggtgtaga aggtaccagc taaagtgaac cactatgtaa 180
 tattaggcca ttctaaagga aagatgttcc atgtcatcag agatggtaaa atagg 235

<210> 14282
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 14282
 agactgaggc tagttaccac gtcagtgagc tgacagggaa ggtacccggc tctactgccc 60
 gtcccgagc actcatcctg gcggactgtg cagtcccacc ctgacttcag cctcaatttc 120
 caggaaaca 129

<210> 14283
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 14283
 tacatgtcaa attacttttg ctatcataaa taagctccaa agtcccccat ttaatttttt 60
 ttttaattttg tgtatgatgg gtttcagatc tggcttttgt taacattttg gggctttttt 120
 aatcttttca atctggcgta ttgctgtttg accttttgca aggtacttaa ttgctctttt 180
 gttatagggg atggatcatt gtcagaactt gattggaggg 220

<210> 14284
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 14284
 ataagttcgg cttcagacac gccttagcgc cagcagtgag tcggagctct atggaggtgg 60
 cagcgggtac cgagtggcgg ctgcagcagc gactcctctg agctgagttt gaggccgtcc 120
 ccgactcctt cctccccctt ccctccccct tttttttgtt ttccgttccc ctttccccctc 180
 ccttccctat ccccgacgac cggatcctga ggaggcagct gcggtggcag ctgctgagtt 240
 ctcggtgaag gtatttcatt tctcctgtcc cctccccctc ccacccc 287

<210> 14285
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 14285
 tgaacttgat tcaacctgag aaaactgatt aaaaaattag tttaaatttg ccagcagggg 60
 agtaaaataa ttatgggaag agtgtcttaa gcctaataatt aaatcagttt tgtaagggg 120
 aaaactcaat agttctgtta cttaggctgt tagatccaag ttgatttttg tgtctacagc 180
 taaattttgt ttacaattag gctatttttt aatataggat ttagaaacca aggggtatgtg 240

ttttaaaatt	acactttttc	ttaacctgtc	tagctgtcgg	aaaaggtaac	agaagatgga	300
actcgaaatc	ccaatgaaaa	acctacccag	caaagaagca	tagcttttag	ctctaataat	360
tctgtagcaa	agccaataca	aaaatcagct	aaagctgcca	cagaaga		407

<210> 14286
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 14286						
atagcgcaga	tggaaagtgg	gaccaaggtc	acagggttca	tgagtgagca	gtgaggccag	60
gaaacacatg	cctgtctgtc	tgcattccgat	tcctcttctc	gccacactca	gcaccacctc	120
g						121

<210> 14287
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 14287						
tttttttttt	gcgccggctg	tgacaagcgc	tgccggcattt	gtccccgcga	cagcaccgct	60
gccgcgctct	ctaaggtcgc	ccgggtccca	ccgcc			95

<210> 14288
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 14288						
ctaaggtcaa	gagaagtgtc	agcctcacct	gattttttatt	agtaatgagg	acttgcctca	60
actccctctt	tctggagtga	agcatccgaa	gaatgcttga	agtacccctg	ggcttctctt	120
aacatttaag	caagctgttt	ttatagcagc	tcttaataat	aaagcccaaa	tctcaagcgg	180
tgcttgaagg	ggaggggaaag	gggggaaagc	ggcaaccack	nnkccctagc	ttttccagaa	240
gcctgttaaa	agcaaggtct	ccccacaagc	aacttctctg	ccacatcgcc	accccgtgcc	300
ttttgatcta	gcacagaccc	ttcacccctc	acctcgatgc	agccagtagc	ttggatcctt	360
ggtgggcatg	atccataatc	ggttttcaagg	taacgatggt	gtcgaggtct	ttgggtgggtt	420
gaactatgtt	agaagaaggc	cattaatttg	cctgcerratt	gttaacagaa	gg	472

<210> 14289
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 14289						
gcgggagctt	ccgggagggc	ggctcgcagg	caccatgact	cctgtgagga	tgcagcactc	60
cctggcaggt	cagacctatg	ccgtgcccyt	catccagcca	gacctgcggc	gagaggaggc	120
cgctccagcag	atggcggatg	ccctgcagta	cctgcagaag	gtctctggag	acatcttcag	180
cagggtgggtg	ctgccactca	ccccacactg	atgagagggc	catccctgtc	ctgggcaatc	240
ccagcaaacac	accctctggg	agcagccccc	ttgggggaatc	cyggtcctgg	ggaaccatct	300
ggtttccctg	tgtgggagng	gctgaagtga	gagcccaact	trkaagcttt	tactcctggg	360
agtccgagag	c					371

<210> 14290
 <211> 186

[illegible]

<400> 14290

<210> 14291

$\langle 211 \rangle$ 442

<212> DNA

<213> Homo sapiens

<400> 14291

taattatattc	aacatatattga	aacatttagat	acctgcattt	gagatgaaaa	tgttatctct	60
ggattgtttg	gttataaatat	tctcttttgg	tgttttagta	ggattttttt	tctaaacaaa	120
gtaaaaatatt	tctttgtagt	aattttgtct	gattttccat	attaaatgaa	acaaatacat	180
tcatacattt	ataagtaaaa	tgttccaaat	gggtgggatt	tttttgtttg	ctttattacc	240
attcagctat	ccttttcagg	ttgcctgaag	ctagaaagat	cttaaattct	caatttgttt	300
gaactttaaa	aacctagaaa	attgctcatt	gccattctgt	gtttcctcta	aaaactgagt	360
tttcacaatt	ttggatttag	taaaaatgta	tgttcatcat	tggattataa	agtaaaacaa	420
acattctgga	aagaatctgg	aa				442

<210> 14292

<211> 141

<212> DNA

<213> Homo sapiens

<400> 14292

```

taccagttag tcattgacta acttgacaa ctgsgtgcct atcattgaat agttgtgaat 60
attcaataag gtgaagagat gctacctgta gtaaggggtgc agtagatacc agctgctgct 120
gctcacctta ctgctgctcc t 141

```

<210> 14293

<211> 116

<212> DNA

<213> Homo sapiens

<400> 14293

accagaactg ggaggaggag ttggaggcgg gagggagccc gcacccggga cacctgaatg 60
 cccccggccc cggctcctcc gacgcgatgg ggaaggtgct atccaaaatc ttctggg 116

<210> 14294

<211> 185

<212> DNA

<213> Homo sapiens

<400> 14294

cagggtcccca	tggttggtcca	ttgaatggag	tgaggatcaa	ggtgggaatg	actgggtggt	60
ggctgcact	agcccgaggaa	catgacaacg	tgaccacacc	acacatgcct	ccaacacaca	120
ccacagtct	aaacatctct	ccttctcagt	gagcccttct	cccatccag	atcatcagca	180
caccc						185

<210> 14295
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 14295
 ggccagaagg tgtggcctgt taaagcattg agattcagag tattttgttt tgctgggtgta 60
 gataggcatg tatttatgca tttttgcatt tgtaaaatca acttttcaaa taatgtaaat 120
 gtaatract agtttactta aaggctactg ggc 153

<210> 14296
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 14296
 aagcccccttg gcatgccctg acctgatcta gagggagtct actgctctta ggaatgntcc 60
 gggagaagggt tattttcaaa gctttgtcac caccatacga tacagagaac ctttacartg 120
 cmaagttcag gagcagctga agatcaccaa ccttcgcgtg cagctgctga aacgacagtc 180
 ttgtccctgt cagagaaatg acctgaacga agagcctcaa cattttacac actatgcaat 240
 ctatgatttc attgtcaagg gcagctgctt ctgcaatggc cacgctgac aatgcatacc 300
 tgttcatggc ttcagacctg tcaaggcc 328

<210> 14297
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 14297
 aaaaacctat actaacatgt caaactggta taaagacatc acatacacac acatacacat 60
 atgtgcacac atttctctgt aatttcttcc agatggatag ggagcactaa gaggttcaag 120
 gaataggaat tattgcttct gatgtgaaa cttctaagga ctcagtgatg tcagaaaaag 180
 gaagattttt tgtttttaaag agaa 204

<210> 14298
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 14298
 cgtttccggc cgaggetgag gccatggcag catcttccct gacggtcacc ttagggcggc 60
 tggcgctcgc gtgcagccac agcatcctga gaccttcggg gcccgagca gcctcccttt 120
 ggtctgcttc tcgaagggtc aattcacaga gcacttcata tctaccaggr taatrtcaaa 180
 atatatgttc ctaaaacatc cctgagttca ccaccttggc cagaagttgt tctgccagac 240
 ccagttgagg agaccagaca ccatgcacmg gtcgtgaaga aggtgaatga gatgatcgtc 300
 acggggcagt atggcaggct ctttgccgtg gtgcactttg ccagccgcca gtggaagggtg 360
 acctctgaag acctgatct 379

<210> 14299
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 14299

acacacaaga ggagagtgtt gagcngccat atctgtctgt gccgccgcag ttgcgaatgc 60
 agcatcggcg cttagctgcc tccgcgggtgc agctaagggt cgtgtcgcta ccccttggcc 120
 cttcgtcttt gctgccttaa ccccgccggt ggagccc 157

<210> 14300
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 14300
 agattgtcta catcagtga tttgaattta ggaaacagta tctttaaaaa aaagcatatt 60
 ggaaaactga cataagggtg acatctttta attttaatat gtaaggacac taaggatatt 120
 taaatagcaa aaaatgcaag gaaaatgtat attttttaca tttcctacat attgtcaaca 180

<210> 14301
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 14301
 ttatgtaagt acttaattgg tgatgtgtga gattttggtg catccatcac cccagcagta 60
 tatgtctgcac cctgtttgca gccttttatc ccccatcccc catcccc 108

<210> 14302
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 14302
 ttgccattta gtcacctact gtggccattc tagtttatac ttttctagtc tttattctat 60
 acacatctac atacatatat gttagtgtgg ctttggaagt agaagttaga taatagtatg 120
 tgttttgttt aattgctgtt ttctcattgc cagtatagat attttcagtg tttagtaaca 180
 tggaatgtat ataatttttt tccggtctca gagaattcca ttgtatggga gtaccatact 240
 tattgtcacc acttctcttt gggagg 266

<210> 14303
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 14303
 ctttttagttc agtttgtcct taactctaaa gcaagtctct tgcaaatagc atatagtgga 60
 tcttgctttt ctcaccttt cagcttctct gcacttttg aatgttaact ttaacctatt 120
 tatattaaaa tattattgct aggggaagact tacattgcaa ttatattgtt ttctctctgt 180
 tttatagctg tgccctatca agaaaaacct atatcagaca caaaaaagat gaaaaggaaa 240
 taaagta 247

<210> 14304
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 14304
 actatcgata cagaaagcaa aagtatttcc agtctcctac tgaactgtca cggcagasct 60

ctctgtatct	atatttagag	ctgtatgtcc	atatakktgc	ctgaatgtgt	gagtncttgg	120
aagtatggat	tcattgccag	gagctgggtga	tttcctaagc	agaggtcgct	aactacaaga	180
aatgttacac	tcggacaagt	cctgcgcttg	gggatcctct	gtacgcccgt	tcactgaatc	240
tttcacaaaa	gtcctgtgtc	gtcctcgtcc	tggcc			275

<210> 14305
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 14305						
gttgtgctgc	aggttgctaa	gtcaagtcag	ccttaacctt	ttgcaccagt	tggtcggctg	60
tttggcagaa	cattctcaga	tcttttcagt	caaaaatcta	agatgattta	ttttgtatca	120
ccttggttaa	agctgaatat	tgtaactac	agttaatat	aacactgtat	ttatactttc	180
tcaaactaca	cccgcc					196

<210> 14306
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 14306						
aggatatcct	gttaagtcac	ggactatttc	ttatcattat	gttatcatga	atgcaataat	60
gtttcaaatt	cattccactc	cagggttaga	catttgtatc	acaattgcag	tggtattctt	120
tttcttttct	tttttt					136

<210> 14307
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 14307						
tttgaagtcc	attgccctaa	accattccat	gttttctactg	agggaaaaat	gaaggactga	60
aggagcctga	gtcttttttt	tttttt				87

<210> 14308
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 14308						
tgtgagcatc	tgttggtggc	acggagtata	ccttctccgt	gtttgaagtc	ccagtctgga	60
acagaggagg	gacctggtga	ataaatgaat	gtgtaaatga	atgacgaagc		110

<210> 14309
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 14309						
tgatttacct	attatagcaa	ttatataaag	tatagaaaag	aaatagcatt	ttacatatatc	60
tattgtatta	gtccattttc	atgctgctga	taaagacata	cctgagactg	ggcaattttac	120
aaaataaaga	ggktttaattg	gacttacagt	tccatgtggc	tggggaagcc	tcacaataat	180
ggtggaaggc	aaggaggagc	aagtcccatc	ttagatggat	ggtag		225

<210> 14310
<211> 448
<212> DNA
<213> Homo sapiens

<400> 14310
agattccctt tcaacctcag gctcaaatca tccatcactg tgaacttaga ctgagtgaaa 60
gaggagacga caaccgag aatttgtggc tgtgggaagc ctctctttac aacgcttaaa 120
aatgatgaag accctgctgt tggtagagt aagagagggc cttctttgcg tgaaaaacct 180
rtccatcaca atgggttggt ggtcagatgt gattctctat taccgtttaa tgttgacagct 240
aatcttctct cttctgctcc tcatcacatt agtgtcacgc atggctctcc aaatttgaa 300
acaacgttg acaacttaac ctcaggagat gaaagatttt caaacttagt ggamatctgc 360
aactttcaga agaagagaac aaataatgga ctaaaaggga aaaggacatg tacttcatta 420
ttgcctcttg gcatttaata gctggctc 448

<210> 14311
<211> 116
<212> DNA
<213> Homo sapiens

<400> 14311
ctttctagta ttaggattca ttaaagtgtc aattcatttc atattctaag gaattaggtt 60
attacttac taattcagga tgttaaaata acrtccaagt cggacaacca ccacca 116

<210> 14312
<211> 461
<212> DNA
<213> Homo sapiens

<400> 14312
ttatcactct agattcaaca tattaaaatg tattcaagct cacagatttt taatcagtaa 60
ggcctatcta tattagtgtt cttttatttc ttctccttgt ggmcaagtgt taatgaaagg 120
agtaaggatt tccctttttt tgttttggtt gtyttgtytt ttttaaccaa attcttagag 180
mtactataga atccaaatga gamctgaatt ggmcccaag tcttctattc ctactaatag 240
agttctttgt gatggttaact gctgtgtcgt ttgttttcca caagttgggr wggrattcat 300
gtcgatacat ccccatgccc ttgacctctt ctggcattct cctgtgctct gacaaactga 360
gccagccttt tagatctaca tgaataaaca aactatttta ccaagaaaaa tctcagcttg 420
cttactgctt aattaaaaac ctacaattta cacacctccc t 461

<210> 14313
<211> 170
<212> DNA
<213> Homo sapiens

<400> 14313
ttcctggttc atgtgcggcc ttcgttcctt cgctatctcg accttgactt cgcattgtgca 60
tccgccgaag tctttctaga tcaatcgccc ccatctctcg tcttcccgat tcggccatga 120
cctcaccggt atcctcgacg taggacctcg gacttcattt ccgccacccc 170

<210> 14314
<211> 167
<212> DNA
<213> Homo sapiens

<400> 14314
 taaattcctg ggctcaagca gtcctcctgc ctcagcctcc cagagtgcctg ggcttatagc 60
 cactgcacct gaccagtaaa gatattttga gctttgagta gtacctgggtt attatcggtt 120
 aaaaatgaaa cattttataa gtcttttgtt ctattgaaaa accacag 167

<210> 14315
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 14315
 tataatctaatt aagtgttttt catattatatt ccacgtaagg gaaataagggt agtacttttc 60
 tttttatatt tctatgctta aaattctctt tctagtcaa aaattgccc aatctgtgtt 120
 tgctttctgc ttgctacatt tgtctccctt acttttcttg agctaaagac aggctttttc 180
 caccggcacc atcactgcta tcatcattaa cagcgtaatt atacaagcat atttaagtct 240
 gagtttaatt taatatgtaa tacatatggt aattgtaggg taataccacc aacaactgta 300
 gtttcttact tggccaagag aatgcttatt taagtgttag acttccattc tggcaaaatc 360
 ttgccttatt agaagacatt ggaaagaggg attccctttg gtgttttggtc ttctacttag 420
 aaaaacctat tgcagttagt ttatcttgta gtattcatct ttgtattctg aagataagggt 480
 ttgaattaaa ttgatacaca cagaggggaa ccgatttttt ttatccaatg tgaattataa 540
 atgagataat ccacagttat tcattgtgga gttgttgaga ctatgaaaga ctcattgtct 600
 ttgtattcag ctcttaaata gtgtaactat atccc 635

<210> 14316
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 14316
 tgggattttg cgcctccctc ctcggtgcaa cctatataag gctcacagtc tgcgctcctg 60
 gtacacgcgc ttcaacttcg gttggtgtgt gtcgaagaaa cctgactgcg ccctgaggag 120
 aacagcggag aaggtccacc gagcctggcg aaagggtccg tgagcgggct gtcgtccgga 180
 gccactccgg gctgcggsa cccagtggag accgcgctg gctcaggtgt gggaccccat 240
 ccttctctgtc ttgcagagg agtcctcgcg tgaataaagc gggttttgaa aacaaaaann 300
 nganggagtg gaagaggggg ccaggatcca ggctccatc cccacagaag tgaagctaca 360
 gctgggaggt ctctccac cccaaccgtc accctgggtc ccgactgcc acctcctcct 420
 cctccctc ccccaacaa caaca 445

<210> 14317
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 14317
 tgcttggtgt ggtcatgagg aagcaggttg gaaaaagcaa aaactgtttt tttgactggt 60
 ggcttcttg aagtataat catttcttag gatgcgggt tttgtgagag ggtggagggc 120
 atttgacgc caaagcagcc aagcctttct acccatcccc ttcatataac acagcgccag 180
 gtctctcatg ttgtgttttt atccacattt tctctgctta tgcgacaccc gcctttcttt 240
 tttttgttgt tgtgtttacg aagtttctt aagattttac aagtgaagta ctgagctgtg 300
 cgatgtgaac ca 312

<210> 14318
 <211> 103

<212> DNA
<213> Homo sapiens

<400> 14318
tcattatctt atgctgccta cactcctgtt actgcgaccc tgatctgagt tttttgaaaa 60
ctaagctttc taagtgattt cctttactct tactcttacc ttt 103

<210> 14319
<211> 139
<212> DNA
<213> Homo sapiens

<400> 14319
agtccctctc cgcgccgcct gtgggtgccc aggaatttca ggacgctccc tgcagtcatt 60
ccagtcgaagt gcctgggcat gagccatgag cccaagctccc cttcgctagg gntgctttcc 120
accgcgacca ggaccaccg 139

<210> 14320
<211> 440
<212> DNA
<213> Homo sapiens

<400> 14320
ttttattttg agatggagtc ttactctgtt gcccaggctg gagtgcagtg gcgccatctc 60
ggctcactgc aagtcctgcc tccaggttca cgccattatc ctgcctcagc ctcccagta 120
gctgggacta caggtgcccg tcaccacgcc tggctaattt tttttgtatt tttagtacag 180
acagcgtttc accgtgtttg ccaggatggt ctcgatctcc tgacctcatg atcctcttgc 240
cttgccctcc caaagtgtct ggattacagg catgggccac cgcgccatag ctaagactta 300
tcctttatta ctgtttttta gcagtttgat tatgatgtgc tttgcatggt tttatttaga 360
agtgcctatct tcagagatta ttgtggttct tcactcttgg cttatagttt ttattaaagt 420
tggaaaactt gatcattagt 440

<210> 14321
<211> 477
<212> DNA
<213> Homo sapiens

<400> 14321
taccaaaaca aggaccacaa aacaactagc catgatggga gacaggagtt ttttacctgg 60
aaacatggca cttgtgtttt tatgtggcaa gatctttatc cataggcaga gtatgaaatt 120
tcccaccagg ctaagcaaat aaagaagttc attgccttat agctatgtca gatcacagaa 180
tccttccaag tgctctatca cagtgtgcct tatgggaagt ttctgactgg aaaatctkgt 240
catkctaaca ctgaaaagtg cacacgcagc acaaaatgta gacaagatgc ctcaaggtat 300
tggtagcaag caagattttg cccttttagtt ttcgaagaca cctttctttc attatgcact 360
cgggacaaga aaattaatag agcgttattc cacagaaggc ctctagccag agatcttgag 420
tgtagtcaaa gggactcatg ctttgcgaac ttgtccctgt gactagtaga ttcccc 477

<210> 14322
<211> 340
<212> DNA
<213> Homo sapiens

<400> 14322
gtttttgtac tgcwtgttgg ttgttttgcc atttaaatta accccaagc atagtgtga 60

agtgtctgctt	agcattcaca	agtcgaagaa	gtctgtgatg	tgtcttacag	agaaaatacc	120
aaggaggagct	gaggcgggcg	gatcatgaag	tcagcagatc	gagaccatcc	tggctaaaac	180
ggtgaaaccc	cgtctctact	aaaaatacaa	aaacttagct	gggcgtgggtg	gcggggcacct	240
gtggtcccag	ctacttggga	ggctggggca	ggagaatggt	gtggaccccg	gaggcagagc	300
ttgnmgtgac	ccgagatagc	gccactgcac	tccagactgg			340

<210> 14323
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 14323						
tccttctctg	tctcactctc	tctctttctc	tcctctctct	atcggagcac	aatgaaagcc	60
tgtgtatcgc	cgtgactccg	ggcgggagcc	agtgtcagca	aagcggctaa	caacagacga	120
gaaagagaaa	ggaaaataca	agctactttt	tttttccatc	tataaagcgg	agaaatacag	180
gagatagaac	cagattgctt	attgctgagtc	cagacctcag	atccactggc	cggggatgga	240
atgtnsaaaa	gtggacagra	aagtggctgg	acatgactcg	gtgcaatttg	ctgga	295

<210> 14324
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 14324						
tttaaaaaaa	ttagtctctg	tagcttatct	aaattgtggt	ttatttatcc	gtagaattta	60
tattttattc	attcctttca	tctcactgaa	aactgtctgc	aggccctttg	atttgattta	120
gatgtgtgaa	gtactgtctt	ttgccaaaaa	cctcaaatta	cctgttcttt	tcaacgtagt	180
gtgtttgtgc	ttgtttggag	atcagttcaa	aaactatctg	tactatctgt	actgcctctg	240
atgttaagat	tttatgtata	gcataaggaa	gctagctctg	actatatatt	cctaagaata	300
waga						304

<210> 14325
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 14325						
acacataggc	ggaagtggcc	tgcggggcgcc	ggagttgaga	gtgctttccg	gggaggcgac	60
cgccgcggtg	gaaagtgcag	gagtggrcga	ggaggaggag	gaagaggagg	tgatggcgac	120
ggaccagggg	agggggagat	gctccgtcta	gctcagacgc	cacgcaggct	gccgtcacc	180
ttccgggtga	cataccggcc	ttggggactt	gacacagcaa	gcaaaagaca	tacagaacat	240
aacagtccag	gaaaccaaca	aaaataactc	tgaaagcatt	gaatgcagca	aaataacaat	300
ggatctcaag	ttcaacaatt	ccaggaaata	tatttctatc	actgtgccat	ccaa	354

<210> 14326
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 14326						
acacataggc	ggaagtggcc	tgcggggcgcc	ggagttgaga	gtgctttccg	gggaggcgac	60
cgccgcggtg	gaaagtgcag	gagtggrcga	ggaggaggag	gaagaggagg	acttgacaca	120
gcaagcaaaa	gacatacaga	acataacagt	ccaggaaacc	aacaaaaata	actctgaaag	180
cattgaatgc	agcaaaaata	caatggatct	caagttcaac	aattccagga	aatatatttc	240

tatcactgtg ccatccaa

258

<210> 14327

<211> 190

<212> DNA

<213> Homo sapiens

<400> 14327

acactcacia	asagccgagg	ggagagaggg	tgcgcagacg	gccagccggg	ccgcgccagg	60
gacatactgg	agacaggaag	tggtgagag	ggggagagag	ttggagagag	acggccgcgg	120
aggacacggg	gacgggaaag	tctgagmsac	ggggagagcc	tgacccggcg	ggacacaggc	180
aaaaagaaac						190

<210> 14328

<211> 240

<212> DNA

<213> Homo sapiens

<400> 14328

acactcacia	asagccgagg	ggagagaggg	tgcgcagacg	gccagccggg	ccgcgccagg	60
gacatacygg	agacaggaag	tggtgagag	ggggagagag	tnggagagag	acggccgcgg	120
aggacacggg	gacgggaaag	tctgagagag	tcggagagag	acggccgcgg	aggacacggg	180
gacgggaaag	tctgagmsac	ggggagagcc	tgacccggcg	ggacacaggc	aaaaagaaac	240

<210> 14329

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14329

gtcgccgccc	gctgcctcga	acgggactgg	gcacgggagg	aagaggctgg	gtggtaaaca	60
ggaagtgggc	gctcagagct	cgggggcggc	gctcagaaaa	catctggaga	aaatgaccca	120
ttggtttcat	aggaacccat	taaaagccac	agtcctctgt	tcttttaatt	actatggtgt	180
agtcactggc	c					191

<210> 14330

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14330

gcatgtttctt	gaagtgggtt	tattcctcct	ttgactgcc	tcaaggtttt	ctctttctct	60
ctcctccttg	agcctttgat	ttctggctta	ttcactgtct	caagtccaa	tttctccctc	120
ctccagcaga	tcccctttct	gcagatcttt	ctataattgt	gcttggtgtt	ttcctctg	178

<210> 14331

<211> 485

<212> DNA

<213> Homo sapiens

<400> 14331

cgatacacag	aatcgccaga	tcgacaggat	catggagaag	gctgattcca	acaaaaccag	60
aattgatgag	gccaaaccaac	gtgcaacaaa	gatrcctggga	agtggttaag	tgtgccacc	120
cgtgttctcc	tccaaatgct	gtcgggcaag	atagctcctt	catgcttttc	tcatggtatt	180

atctagtagg	tctgcacaca	taacacacat	cagtcacccc	ccattgtgaa	tgttgctcctg	240
tgtcatctgt	cagcttccca	acaatacttt	gtgtcttttg	ttctctcttg	gtctctttct	300
ttccaaaggt	tgtacatagt	ggtcatttgg	tggtcttaac	tccttgaggt	cttgagtttc	360
atctttcatt	ttctctcttc	ggtggcattt	gckgaataac	aacaatttag	gaatgctcaa	420
tgtgctgttg	attctttcaa	tccacagtat	tggtcttgta	aaactgtgac	attccacaga	480
gtact						485

<210> 14332
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 14332						
ccttactact	gtccaaggga	tcgctgatga	ttacgataaa	aagaaactag	tgaaggcgtt	60
taagaaaaag	tttgccctgca	atggtagctg	aattgagcat	ccggaatatg	gagaagtaat	120
tcagctacag	ggtgaccaac	gcaagaacat	atgccagttc	ctcgtagaga	ttggactggc	180
taaggacgat	cagctgaagg	ttcatgggtt	ttaagtgcct	gtggctcact	gaagcttaag	240
tgaggatttc	cttgcaatga	gtagaatttc	ccttctctcc	cttgctcacag	gtttaaaaac	300
ctcacagctt	gtataatgta	accatttggg	gtccgctttt	aacttggact	agtgttaactc	360
cttcatgcaa	taaactgaaa	agagccatgc	tgtctagtct	tgaagtcctt	catttaaaca	420
gaggtcaagc	aataggcgcc	tggcagtgtc	aagcctgama	ccaagcaata	ccgtcatgtt	480
tcagccaagc	ccaga					495

<210> 14333
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 14333						
agtgttttca	ggaagtgtgt	gtgttggcca	cggtctcagg	aggtggggga	gacacaaagc	60
aggaagcctc	cgggagacca	gagctgggtg	cagacatata	cacacacata	cacacaraca	120
cacagagtca	ca					132

<210> 14334
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 14334						
cattttttat	ggtgttctga	tgtatgagct	gcttcaagtg	tttttggaca	tagcttgggt	60
ataaaatgta	aaaagtggat	atcttcaatt	tgtagctttc	ttttttgaaa	cttactgaaa	120
tttgtttctaa	atatatctcc	ttctttctca	cccaccc			157

<210> 14335
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 14335						
tgtttcccag	tttgagctat	atctatgtcc	atccattttt	tccttttggt	ccatgaaatt	60
tagtagccct	gtcacattgg	cctaagttaa	acaactgcag	ctttagtttt	ccttaacatg	120
aaaaaaggaa	agccaaatgg					140

<210> 14336

<211> 183
 <212> DNA
 <213> Homo sapiens

<400> 14336
 ttgacatata ctcaagttca gagattcttt tcctcagctg tgtccagtgt acagagtcta 60
 tcaaagtcac tcttcattgc tgttgtagtg ttttagatct ttagcatttg tttttgattc 120
 tttctgcata tctgcttaca ttacacatgt atttttgcat attgtctact tttttcctta 180
 gag 183

<210> 14337
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 14337
 gtgtgtgtgt cagagagtca gagagaagtt cattgttcac acctcccggc tgccggcagc 60
 cttctggagg atccgattca atgtggttgt acggtctcgg gcaggt 106

<210> 14338
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 14338
 cataaatcat cgaggtggat accatgggtg aagttcccg tctcgtagca gtattttcca 60
 tgcaggaaaa agccaaggac tacatgaaaa caacatacct gacaatgaaa ccgggaggaa 120
 agaagacaag agagaacg 138

<210> 14339
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 14339
 aattaaataa aaattttttt ttggtttggg cgtgatgact tacacctgta atcctagatt 60
 agaaatggcc acaagttcta tgccactctt tccttgacaga ggtgagtctg tgcccttttc 120
 cctgaatctg ggtggacctc cccttcagct gctcccttct tgtgttcgcc 170

<210> 14340
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 14340
 agacactaga gtaacctatg tgcacagcct ctccatatac catgtgctgt tgcgcctgct 60
 agtaatcgac gacattaggc aagagaaaaca gcggctcctc aagtcctgcc caaagaccgt 120
 ccagaaaccc cagcctcccg tcgccttctc gccgcctccg ctgggagccg cagatcagtc 180
 caagttgacg gacaggaggc gaaatgtgca aatgtttatg gtttcatctg tatggaaaag 240
 gagctctggt aactttggcc aagacttttc agtaggaaat gcttcaaaat acaaagcaag 300
 agctattttc maagaaracc ttctaaattt akattaggtt gacatgatga aagaagcatt 360
 agaaaaactt cagctcaata tagtagagat gaaagatgaa aatgcaactt tagatggcgg 420

<210> 14341

<211> 202
<212> DNA
<213> Homo sapiens

<400> 14341
gacctgtaag ttgcctagga cagtggcctg gtcccagggg ctggttgagg gagttgaaga 60
acaccttggc ctctccatc atgtcggcca agagggcaga attgaagaaa acacatctga 120
gcaagaacta caaggcagtt tgcctggaat tgaagccaga gccgaccaa acatttgatt 180
acaaagcagt taaacaagaa gg 202

<210> 14342
<211> 426
<212> DNA
<213> Homo sapiens

<400> 14342
atttcaaaact gattgatgca tctctacaag ttgctaggct tggacccgct ggagtcgcag 60
ggacacttct gagagctcac cccgggctct tggcaccgct tgtgggggct cagtctccct 120
ctcgggaaggc gatcgagac tgacatcgcc ccatccagga gttggaggga tccatttgaa 180
agtgattgtt tccccctccg ctctccagcc gaacagttgg gttggcgctc tcttgacagt 240
ttaggaatcc cagctctgcc aggcgggctg gtcttaacct ctgctcttca ttcactgtgg 300
tgacccaca cccagccaag gaaagcacgc gcgagaaatc cccgaggctc ggccagcccc 360
cggggtgccc tcttccgcta mcgcccgtt ccgactctgc tgggggacct gccggaagac 420
gcgaag 426

<210> 14343
<211> 140
<212> DNA
<213> Homo sapiens

<400> 14343
tctgctgtaa gtttccccca ctgccccgga cctggttcag gcgctgcggg cttcaggggc 60
tgcttcggct gcaggggtgt gttcgcgagg ggagtrgaag caatgtcagt cagtgtgcat 120
gagaaccgca agtccagggc 140

<210> 14344
<211> 253
<212> DNA
<213> Homo sapiens

<400> 14344
gtttggcttc ccggccgcgg ggctcaggtt acattcgcga gcggascgag cgcgggagac 60
cggacccgag agcagagctg ctgtttcggc gcgggtcggc tggcggccga ctgccagca 120
acctgcccagc tacaggagcc cctgcgctcc cagagactcc ctcacccagg caggctccgt 180
cgcgagagtc ctgagtcctg gcccttttag ttagttctgc agtctagat ggtccccatt 240
tgcccttcca ctc 253

<210> 14345
<211> 148
<212> DNA
<213> Homo sapiens

<400> 14345
gtttggcttc ccggccgcgg ggctcaggtt acattcgcga gcggascgag cgcgggagac 60

cggacccgag agcagagctg ctgtttcggc gcgggtcggc tggcggccga ctgccccaga 120
gccccaccc ggcaccacac agacctca 148

<210> 14346
<211> 164
<212> DNA
<213> Homo sapiens

<400> 14346
gtttggttc ccggccgagg ggctcagggt acattcgcga gcggascgag cgcgggagac 60
cggacccgag agcagagctg ctgtttcggc gcgggtcggc tggcggccga ctgccccaga 120
nkccccattt gcccttcac tccacccac cctaaaccat gcgc 164

<210> 14347
<211> 113
<212> DNA
<213> Homo sapiens

<400> 14347
actgcctccg ccagcagccg gggtaaggct gctgcttctt catttctgtt actggaagtt 60
tgggacatgt gaagccagac ggggagaaaac gtgcgcgcct tgttgagcag ggg 113

<210> 14348
<211> 463
<212> DNA
<213> Homo sapiens

<400> 14348
acacagcacc ctccctgaaaa ctgcagcttc cttctcacct tgaagaataa tcctagaaaa 60
ctcacaaaat gtgtgatgct tttgtaggta cctggaaaact tgtctccagt gaaaactttg 120
atgattatat gaaagaagta ggagtgggct ttgccaccag gaaagtggct ggcattggcca 180
aacctaacat gatcatcagt gtgaatgggg atgtgatcac cattaaatct gaaagtacct 240
ttaaaaatac tgagatttcc ttcatactgg gccaggaatt tgacgaagya ctgcagatga 300
caggaaaagt aagagcacca taaccttaga tgggggtgtc ctggtacatg tgcagaaatg 360
ggatggaaaa tcaaccacca taaagagaaa acgagaggat gataaactgg tgggtggaatg 420
cgtcatgaaa ggcgtcactt ccacgagagt ttatgagaga gca 463

<210> 14349
<211> 362
<212> DNA
<213> Homo sapiens

<400> 14349
ctgttttgatt ttaaaaagtg tgactgtcag ttgtatctgt tgcttttctc aatgattcag 60
ggatacaaat gggtcttctt cattcattaa aagaaaacgcg acatctttct aagattctct 120
gtgggaaaaat gactgtcaat aaaatgcggg tttctgggcc attcgtctta ctttcatttt 180
ttgattacaa atttctcttg acgcacacaa ttatgtctgc taatcctctt cttcctagag 240
agagaaactg tgctccttca gtgttgctgc cataaagggg tttggggaat cgattgtaaa 300
agtccagggt ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac 360
ag 362

<210> 14350
<211> 324
<212> DNA

<213> Homo sapiens

<400> 14350

ccatgctatc	atgtgcagct	gattttttaca	gttttttggt	gaaatggggt	gttgtcatgt	60
agcccagttt	tgtgtcaaac	tcctgagctc	aagtgatctg	cctgcttcag	cttccggaag	120
tgctgagatt	acaggtgtgt	gccaccatgc	ccgactgggt	taaccacttt	ggaaagcagc	180
cactgagccc	ggccttcacc	agtataccaa	tatttggtta	tatcgtttta	ttttttacaa	240
tttttccatt	tttagaaact	tattctttta	cctgtattat	tgttttataat	aaacaacgaa	300
taattttgca	gtagagttga	gtcc				324

<210> 14351

<211> 260

<212> DNA

<213> Homo sapiens

<400> 14351

aatacaggag	tgtttatggt	tggttgagc	acattcagta	gctgagtgat	tgacagcaag	60
aggagcaaga	catgaggtta	ataattatca	aatatatggc	aatgcttggg	ctttagcttg	120
atmmatcgwg	sttctggraa	aacaacanna	aattgagata	tctgttcacc	actttgtgtg	180
tccaaggacc	acctactttt	tacatgtgac	aagaactacs	sacctccamt	cttcaggata	240
gaacatgctg	aagaraagag					260

<210> 14352

<211> 525

<212> DNA

<213> Homo sapiens

<400> 14352

caggttcact	tacactgttc	ttgtagatgg	ctgctctaaa	aagacaaatg	aatggggaaa	60
gacaatcatt	gaatacaaaa	caaataagcc	atcacgcctg	cccttccttg	atattgcacc	120
tttgacatc	ggtggtgctg	accaggaatt	ctttgtggac	attggcccag	tctgtttcaa	180
ataaatgaac	tcaatctaaa	ttaaaaaaga	aagaaatttg	aaaaaacttt	ctctttgcca	240
tttcttcttc	ttctttttta	actgaaagct	gaatccttcc	atttcttctg	cacatctact	300
tgcttaaat	gtgggcaaaa	gagaaaaaga	aggattgatc	agagcattgt	gcaatacagt	360
ttcattaact	ccttcccccg	ctcccccaaa	antttgaatt	tttttttcaa	cactcttaca	420
cctgttatgg	aaaatgtcaa	cctttgtgta	aaaacaaaaa	taaaaattga	aaaataaaaa	480
ccataaacat	ttgcaccact	tgtggctttt	gaatatcttc	cacag		525

<210> 14353

<211> 359

<212> DNA

<213> Homo sapiens

<400> 14353

tttcagaatt	ttgtgcagga	atatctgagt	atttctaatt	agattagaat	gtcagaatac	60
attcatggac	atatgagggg	tttttttaaa	tttttttttag	atataccttca	ccttgaacat	120
ttattatttc	tttgtgttgg	gaacaatcca	aatctctcct	agatgttttg	aaatgtgcaa	180
tgtattgtta	gctgtagtca	cctactgtg	ctattgaata	ctagagcttg	ttccttctgt	240
ctaactgtat	gattatactc	attaaccaac	ttctcttcat	ctgtcccca	cctccacca	300
tctcagcctc	tagtaactac	catttttactc	tctacctcca	tgacattaac	tttttttagc	359

<210> 14354

<211> 85

<212> DNA

<213> Homo sapiens

<400> 14354

tacaccggtt	gggcaggagg	agggttaattt	ttatttagcc	gtttctccaa	tcatgtgggg	60
aataccatta	gctgttgata	gcggg				85

<210> 14355

<211> 346

<212> DNA

<213> Homo sapiens

<400> 14355

ctttatttat	gcttaccgt	taattacaaa	gnatccaggt	gaatacccag	atggaagcaa	60
tgcacagggc	aagggatgtg	gggaaggggt	agcttccatg	ccctctccca	aacacccacc	120
ctccaggagt	ctttacctgt	ttagctattt	ggatgtgccc	caaaccat	tgtttgattt	180
gttttggtgt	tggtgaagaa	gtctcactct	gttgcccaag	ctggactgca	gtggggcaat	240
ctcggtcat	tgcaacctcc	accttccggg	ttcaagcagt	tctcctgcct	cagcctccca	300
ggtagctggg	actacaggta	cgcaccacca	tgcttggtta	attttt		346

<210> 14356

<211> 313

<212> DNA

<213> Homo sapiens

<400> 14356

cctttttgac	tgtcttattt	tacttaacag	aatgttttga	agatttgctc	ttattgtagt	60
acttttcaag	atttccttat	ttttaaggct	gaatgctatc	ccagtgattg	tacgtgccct	120
gtttgctgaa	tctactcatc	cttaagggta	catttgcttc	caggtaacat	gtgtgagtaa	180
tactacaatg	tgcatatata	tattccatgt	tctgctttgt	ctgtttggga	tatttttcat	240
acactgattc	agtaccatgt	gtattccctt	gcttttggtg	tctcatccgt	gatgctacgt	300
cccccaaatt	att					313

<210> 14357

<211> 179

<212> DNA

<213> Homo sapiens

<400> 14357

ttagctaata	cctctagctg	catcctcatc	aagctccttc	cggcctcatt	tataagggca	60
ctaatacta	tcaggagggc	tctgtcctca	tgaccaatac	tcttgctaaa	ggctcttaat	120
actattccac	tgccgattaa	gtgtcaacat	atgaattttg	gggggacaga	aacattcag	179

<210> 14358

<211> 190

<212> DNA

<213> Homo sapiens

<400> 14358

cagagactat	tacacggatt	tcctaattac	actggctgtg	ccctcggcag	tggcactggt	60
cctttttcta	atacttgctt	atatcatgtg	ctgccgacgg	gaaggcgtca	tccaactggt	120
ccatcamagt	gctatwmaga	aatctaccaa	ggagcttcga	gacatgtcca	agaatagaga	180
ratagsatgg						190

<210> 14359

<211> 435
 <212> DNA
 <213> Homo sapiens

<400> 14359
 gatataatta aaacgctgaa gaccataaacc ttttgggtca actgttggtc aaactatagg 60
 agagaccagg gaccatcaca tgggtaggga ttttccatcc agagccaata aaaggactgg 120
 tgggggcccgg ggggtggctat tgtgggaagt catagcccac agatagatca acctaagaat 180
 cctggccctt ctccactctc caccatgcag gacaaacatc ttctcaagca gtcaacgtag 240
 aatgcttggg aaatagtcac aattaccac atatagtaat taatagatgg taattaattg 300
 atccttgatg tgatgtcttt tgcataattc cttcattcta aagttgttcc ctggccggga 360
 gcggttgctt tcgcctgtaa tcccaacact ttgggaggcc aggacagatc agntgaggtc 420
 aggagttcga gacca 435

<210> 14360
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 14360
 ctgaactttt tacaaagaaa aatggaaaaa ctttgtatgg tagcttcatg ttgaagtgg 60
 tttttgtttt tgtttttgtt tttttaattt gtaaaatctg gaaagttagc ttgttcta 120
 aggggctatg ctctgcaatt c 141

<210> 14361
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 14361
 ctagacgccg tacgtgccag atggtgttac ctggagctta aaaagctgca cgcaagtgtt 60
 aaacttctgt aggaggaata ctgttggcgt tcaaaagcat tgctgtttca gtttaagtagt 120
 tccttaatta cttacaatgt agtaaggcta cattgaagga agatataaat ttcagtcaag 180
 actacgactg ascaaaggaa aaaaagggaag aatgttcaag gtgtctgtgc aagagaacag 240
 ttagaccagg ctggctagag cagtgtttat agggacgtaa caggagatat gtgtggcaga 300
 tttagggtag attcagagtg ccagtratat gccaaagcaa ggcacgttgc cccttatata 360
 ttgggaaaac kgttgargtt tttaacattg ggargtcgat cgc 403

<210> 14362
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 14362
 aagaagggga agaagatcaa aaccacccat gccccaggct caacgaggtg ctgatggaag 60
 cagaagaggc tgaagtcttg caggactcac tggatagatg ttattcgact acttcaactt 120
 actttcaamt amcawkccty cattccagca gtacagaagt gccttttact catttgagga 180
 acaggacgtc agcttggccc ttgacgtgga caatagggtt tttactttga crgtgayaag 240
 kwcacactg gtgttccaga tgggagtcac attcccacaa taagcagctc ttactaagcc 300
 gagagatgtc attcctgcag 320

<210> 14363
 <211> 103
 <212> DNA

<213> Homo sapiens

<400> 14363

aatagtata	tttctcattt	gaaggatata	ttatttttaa	actgtagaaa	ttattggtat	60
atttgamatg	gaaataatgc	tttgaattty	gtcagtcatt	aat		103

<210> 14364

<211> 265

<212> DNA

<213> Homo sapiens

<400> 14364

tttggtcttt	tttagtcttt	ctaattacgg	taggaatagt	gtacatacca	cggatacagt	60
gttacaataa	tctggttttc	tgtgcactta	ctattgcccg	tgagttttgt	agcttcgatt	120
atttcttttt	tggtttcttt	tttctttttt	gagacggagt	cttgctccat	cacccaggct	180
ggagagcagt	ggtgtgatct	cggctcgctg	caacctctgc	ctcccgggtc	aagctattct	240
cttgccctag	cctcctgact	agctg				265

<210> 14365

<211> 394

<212> DNA

<213> Homo sapiens

<400> 14365

cacaccttat	aaaattgtaa	tcaaagatat	ctcactctgt	cattgttaat	ctaagaataa	60
aaacactgac	tttaatacgg	ttttactaag	tttcaacctt	ctaattaggt	aggcctctag	120
gtattctgca	gatcactgct	ggtcttgata	gccattaata	tatgtttgta	ttatgttatt	180
tttcaactaa	atcgcagttg	gaaaaaaaca	tatttaatat	tatgcccttg	gatctgttac	240
tgcatcacta	gcacttgtga	tgcaatagaa	cacttcgcct	gtactgaaag	ggccaagagt	300
aaatgccttg	ttttgttttt	ttgtnttggt	ttgttttgct	ttttgttaaa	acatgtctat	360
agagttggca	gttaatgctg	aatttgtaaa	atac			394

<210> 14366

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14366

catctcnnct	tttctttctca	cttcatgtga	aaactactcc	agtggctgac	tgaattgctg	60
acccttcaag	ctctgtcctt	atccattacc	tcaaagcagt	cattcccttag	taaagtttcc	120
aacaaataga	aattaatgac	actttggtag	cactaatatg	gagattatcc	tttcattgag	180
ccttttatcc	tctgtttctcc	tttgaagaac	cctcactgc	aacctccgtc	tcctgggttc	240
aagtgattct	cctgcctcag	cctcccgagt	agctgggatt	acagatgccc	gccaccatgc	300
c						301

<210> 14367

<211> 256

<212> DNA

<213> Homo sapiens

<400> 14367

tataaagttt	tgctttatta	aaaagctaata	aaacagctat	taatcacagt	gtattagtag	60
ttgttacatt	tttgtatttc	actatcttta	tactatataa	tatggtaact	tgggtaccgg	120
gggaacttta	aaatttcawy	cycmaaaaaaw	taatttttaa	aaagcctgag	gtatgatata	180

gcataaaaga ttgagatgaa aatatatttc cctgtaagct gaattactca tttaaaaaatt 240
ttaacttcta tatggg 256

<210> 14368
<211> 218
<212> DNA
<213> Homo sapiens

<400> 14368
aaacctkcac gttgtgcaca tgcaccctag aacttaaagt ataatttaaa aaagaaaaga 60
aattctatga gattaataag ctatatgatg taatacatgg ctcttgtaaka ttcattgaact 120
cttcacttag ctctttggct tgtgaatatt atgtacatca aaatttaatt tttcatttga 180
tctattttac tagactcctg ccccatctag tctacctg 218

<210> 14369
<211> 189
<212> DNA
<213> Homo sapiens

<400> 14369
agggccctcc ccggaagtc ccataggaca caatattcat ctgggtgtgtg tgcctagagt 60
ttgtcccagc ggagggttgg ctctggatct gcagaggctt tagggacctg ctccagccac 120
tgagcacact agccgtctga gacggcagct gagttgcact gtgcgacgcg acagagacta 180
catttccca 189

<210> 14370
<211> 100
<212> DNA
<213> Homo sapiens

<400> 14370
tcgttaatga ttccacttga ttttcagaat attgtcctgg ttgattttga tttgacagca 60
tacattatga aatttgaaag taggttacca ttttgaggca 100

<210> 14371
<211> 341
<212> DNA
<213> Homo sapiens

<400> 14371
aaccaatcta caagagaagg ctgagcaggg gacctgagat gattttctcc aatatttagt 60
cagactgatt ttctggatcc aagttttctca acttaccaaa tgtgggcaaa tcattatatt 120
gctcccagcc ttaaaaatct tcaataagtt aaagagagga ctcaggctta atggcaatcc 180
tgttatctta ccaatgagga gactaaacac ctagtgtgag atcacctcct tactggctca 240
gagcttcagg aaatagctca aggatgtgca aataactaac agtagagctg ggatttagat 300
ccacatctac ttaatttttag tgcgtatgct ctaactgctg c 341

<210> 14372
<211> 219
<212> DNA
<213> Homo sapiens

<400> 14372
catgagttcc caatgaatat ttagtgctat gttttgaatg tgtcctccaa aacttatgtg 60

ttagaaactt aatccccaat gcaacagtgt ttagaaatgg gactttttaga aggtgattaa	120
gtcatgaggc ctctgccctc atgaatgaat gaattaatta atgctgtggg agtgggtttc	180
tttctctttt ttcagaggca gggctctgct ctgttgccc	219

<210> 14373
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 14373	
aatcaagaaa ataccataaa agtggccaac cagcagttct caaggctgct ctagctatgg	60
aatagccatt cttttttttt tttttt	87

<210> 14374
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 14374	
gacttggttc accgggttaaa acgcakaggg agatggaaat gaccaggagt cgaaaggaga	60
agataagagt gcagtgggtgc agtcatggct cactgcagcg tctgcctcct ggactcaaar	120
aatcctccta cctcagcctc ccaagtagct aggaccacag agttgtgctc tcctgcagcg	180
ttttgcggaac ggctggctat cttaccaga atcaatcaca ctgggacact	230

<210> 14375
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 14375	
aatcacagca gtgccgacgt cgtgggtggt tgggtgtgagg ctgcgagccg ccgcgagttc	60
tcacggtccc gccggcgcca ccaccgcgg	89

<210> 14376
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 14376	
attgtgtttt agtcattggc ccttcacttt tttcttaatc agagctagat gtgaaactgc	60
aggctaaata gaatcaaggc cagaggactt cttttccatt ccmtgcagga tagagagttg	120
attggataaa gtgttgagat agatccagca ggaaggaaatg gggctgttgt agattttggg	180
gcaggagtga gaaggtggaa atactgtttg aggaagagtgc gcctagacct ggggagggca	240
ccagaggggag aaggctgctg ccgtgtagcc tcggcaaggg aagatggga	289

<210> 14377
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 14377	
tgtgaatgat sggcattcca gtgaggcacc gaatgccttc tgagggtttt gtaggttcca	60
gctcaaatcc ccctctggct ctgttctttt ggtgtggcag ccattctctc tcccaggggt	120
cctgaggggt tcagcaccag ttctctgcag ccacacaatc agcccggctc gggagcaaac	180

tcccctggaa gaacggagtt atgagttggt cagcagagga ggctggggac aggcagtttt 240
 tgggtctttta cctctgatct tgtccccaac ctaagccagc tagctgcgtg tcccactccc 300
 tctgccgcac ac 312

<210> 14378
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 14378
 tgaatcatct tcagttgtct ttgggttact cttgactgaa caaaggcaga ggggagagaa 60
 aaaaggaaaa taggaagaaa catgaatcta tctatagaaa agtaggctgg gtgtggttagc 120
 tcatgcctgt aatcccagca ctttaggagg ccaagggtggg aggattgctt gaccccagga 180
 gttcaagacc agcctgggca acatagggar aactggtctt taaaagagaa agtaaaaagg 240

<210> 14379
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 14379
 ttacattgaa tcattattca attcatgaag atgttccatt ttgttctagg tacccttttc 60
 tgttgatttt ataatgata ttctaaatta tgttttctaa ttattttatg cactatatac 120
 atatgtgatt tcttttcttt tcttttcttt tttttttttt tttttttt 167

<210> 14380
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 14380
 actcggggac tgtcccttgc tccaggcgct cactttgcgg gcggcacttt ttccagggttg 60
 ttaatccagc taatggagaa ggatagatgc acgctacttg gtttagaaaa aaaaacaaaa 120
 atgagcaaac gagacgcccc ttccgtttta tgataactaa gctg 164

<210> 14381
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 14381
 agaggatcgc ctgcgtggcc tactctctcc tcccgtaagg cgccggaatc ccagctccac 60
 ttaccaggcc gcggctaccc cgccgtccsc cccgactccc gcc 103

<210> 14382
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 14382
 aacttgaaag gggggttggtg taatgtacct ttccaatcc cgggctgtat atggagattt 60
 gggattcttt aaaccggcgc ta 82

<210> 14383

<211> 138
<212> DNA
<213> Homo sapiens

<400> 14383
atTTTTattg gtctgcaaT ccggagacct tgcggcctca ctggtcctcc ttccctctga 60
gctatctcca caccagcct tcgatcagaa ggagatttag aagcagagct gcccgcagcg 120
aatactttta atgcccg 138

<210> 14384
<211> 283
<212> DNA
<213> Homo sapiens

<400> 14384
gacttccttg ttgtgagccc cggcccggca gtgtcccgcac tcgtagcccc gctgttctta 60
atccggggccg ctagcctgag tctaggctgc agccgcagcc ccaccccgtc ggtcaccttt 120
tcagcgcagc tcctttcccc gcacgccttg cgctccctaa catgcccac cccagcagca 180
cctcctctcc ctacccctc cctgaggnaa ttaggaacct gttggcagat gttgaaacat 240
ttgtagcaga tatactgaaa ggagaaaatt tatccaagaa agc 283

<210> 14385
<211> 307
<212> DNA
<213> Homo sapiens

<400> 14385
ctcgatgcca taatcagaac acactttttt tctcttttct cccagcttca aatgcaaatt 60
catcattggg ctactttcta ataactgcag tgtttcccgc cttgggcttg cagcagaaaa 120
acctgacaac atagtgtttg ctaaggcagt aatttagact ttaccttatt tgtgattact 180
gtagtgattg attgattgat tactattaac tacaaggat aatttactat caccttattt 240
aaattttatg aattaatttg aatgtttttt acactaacta acttttccca ataaagtcca 300
ctatgaa 307

<210> 14386
<211> 383
<212> DNA
<213> Homo sapiens

<400> 14386
tgtacttata catctcatta caaacaaaaa cacacagact gcatttgtag ctctgtaata 60
cttgaatacag gaagtaaatt ttcttctttc ctgactttga cattgtagct atactgtttc 120
catttttggt tttacaaatc ctttgggtct aattctgtga gcctacctat agcactggat 180
taaaatgtct gcatcatttc tttagttatc cagttaactt taaaactgtt gtaaaagtgt 240
aaaccagccc atgacagggt tttgtacatg ttaaagaact tcgttggttca gttttcatga 300
ttattgtgta aggaagactg atgtagatgt tctgtgctgt cctggaccat gtttaattaca 360
cttacgacgt atttkagttc cac 383

<210> 14387
<211> 215
<212> DNA
<213> Homo sapiens

<400> 14387

ccttcccccc	tccaccggcc	gcgggcataa	aaggcgccag	gtgagggcct	cgccgctcct	60
cccgcgaatc	gcagcttctg	agaccagggt	tgctccgtcc	gtgctccgcc	tcgccatgac	120
ttcctacagc	tatcgccagt	cgtcggccac	gtcgtccttc	ggaggcctgg	gcggcggtc	180
cgtgcgtttt	gggcggggg	tcgcttttcg	cgcac			215

<210> 14388
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 14388						
tgaggtgctt	gtgtttttgt	cggtagagga	gagtcgctat	ggcggcggtg	gattcggtatg	60
tcgaatcgct	gccgcgtggg	gggttcgct	gctgcctctg	ccacgttact	acagccaacc	120
gaccc						125

<210> 14389
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 14389						
caatttttaa	gaacttttgt	gtaaaatgca	gctccatggt	tagcataatc	taaaaataat	60
ttcaagcaat	ccagaatctt	ccaagaatth	attaaagctt	taaaacaaag	caaaacaaaa	120
aggccctttt	gtgccttata	tggaagact	ccaaaaacag	aaaaaaatag	aggaaaacac	180
cacttcaatt	tgacattcaa	tgcatccaca	tcagaaacta	agaagataac	aagcctgaga	240
tgtaggtga	taaaaattca	tgtttcttcc	aaggacagaa	ggctattaga	ttgtcccagg	300
ccatatctat	tcccagttct	ttgtgagtag	tcttcttact	ttttctgtgg	taggtaagaa	360
gcataatttc	acaaaaagaa	agcatgcatt	gtttgactag	ccagc		405

<210> 14390
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 14390						
taattgtgct	ccagggtaat	ttggtaattt	tataatttct	acgaatgttt	ccaacaccat	60
atgacctaat	ccagcaccat	ataaatggat	ccactcattc	tcatttgtat	gtaatctagc	120
actccctgca	agcaagttga	tggtgttaat	ttaatcatgc	tacctgaaca	aggtatattg	180
ctatgtagaa	aaatacaagt	tgaaacagtc	aaaatactgt	gtaattccat	ttatatgact	240
ctgtagaaaa	agaaaaagtg	tagtgatagt	aaagagttca	gtggtaacaa	ggggcttgga	300
agacagaaa	gtgtaaacgg	tgaagtacca	aagatttctt	ttgggcagtg	aaattcctct	360
ttgatactgt	aatggtggat	acatcataat	gttttccaaa	tcctgaagaa	ctttgtaaca	420
caaagagt						428

<210> 14391
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 14391						
cagctgactg	taatctcccc	tccatggaat	tccccatgag	tttattgaga	tcctaccttg	60
agggatttac	cactttttcta	ccctttggta	tctttttttt	ttttttt		107

<210> 14392

<211> 247
<212> DNA
<213> Homo sapiens

<400> 14392
tcacttttct ttccacctta ttcattctct gtacttacca cagtattttg cacttgatta 60
catatccttc actctcttct cttcatccca tcacccccta aatagggtcag gtgagggagg 120
ctgggaagag gtgggaggag gggcagaagt gaaggaagaa taggaaggat attacctctt 180
ctgttatttt ttttaagaaac attgtttggg ggcagcaatc tccctgtccc tatcactggt 240
agaggcc 247

<210> 14393
<211> 219
<212> DNA
<213> Homo sapiens

<400> 14393
ccccTTTTT cgtgccttga ggttgcggt cagcgcgagc cgctgcagt agtccgtcac 60
ggctccggcg cgagcgcgag gctgcagccc ccgagtttcc cgcccgctct cgccccctct 120
ccccctcctt tcttcttctc tgctctctct gctctctgcc gctgctctc ccgcgctctc 180
cggtcttgaa tctcgacctt aatttatttc cccctaccc 219

<210> 14394
<211> 209
<212> DNA
<213> Homo sapiens

<400> 14394
ccccTTTTT cgtgccttga ggttgcggt cagcgcgasc ngctgcagt agtccgtcac 60
ggctccggcg cgagcgcgag gctgcagccc ccgagtttcc cgrcctcttc accatcatca 120
ccaccatcac caccaccatc accatcacca ccaccaccac catcaccacc atcatcatca 180
tcatcatgat catatcatga ccaacacca 209

<210> 14395
<211> 260
<212> DNA
<213> Homo sapiens

<400> 14395
agagcaasgg agggagagag aggcaggctg cgaggggaga ggagagggag tgggggagcc 60
agcgtctccag ctagcatgag gacgggcttc ttttcccgtg ctcagttaat ctggctgtca 120
gttggtgtta acgctgcagt ttaagtgttc ggattccaag ggaaacagac aaacctcacg 180
aaaggaagga agcaagcaag caaggaagga actgcaggag raaaagaaca ggcagaacag 240
cgagaagaat aaagggaag 260

<210> 14396
<211> 166
<212> DNA
<213> Homo sapiens

<400> 14396
catcacttcc caccaggctc ctccatgat acctggggat tatgggaact acagttaaag 60
atgagatttg ggtggggaca cagccaaacc atatcattcc atccctggcc cctcccaaat 120
ttcatgtcct cacatttcaa aagacaatct tacccttcca acagtc 166

<210> 14397
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 14397
 taagaataat tcttttgggg aaagamatta tgaatcttca ggacagtcta caatggttta 60
 gagttacatt ctgcctagac ttttatgact tgctgctatt gttttaaaaa cccacttag 120
 tctcttcctt tctgatttct aaagtaagcc tcagaatttc caaaccaatt catccacagc 180
 tgtttctggg ctggttttta aagtagctgc aacagaatca tgaggctttc cctttttatc 240
 aaatacgaaa aacatttttt aaaattctgc acaccca 277

<210> 14398
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 14398
 gttaaagaga atgttcaagg ccgaggacac ataaaaaaga gcagcattgc tggctctgtt 60
 atttagctgt gtgttcttga aaaagtcact tctccagaca tatctcagca ttataacct 120
 aagactgaat cactgcattt taccctaaw nggrggtacg cttacrctaa tctttttgaa 180
 acagtactta aattgtagca ggacaagccg cagacaaaac ccctcagcca gcgagtttaa 240
 gaaagaaggg ctttattcgg ccgggatctt cggcaagact cacgtctcca acaaccaagc 300
 tccccaacaa tggactcttg tggctgactt cactcaccat gctcacactg cctccttgtc 360
 agcagtagct gtaaatagtc gttttgtggt cactgggagc aaa 403

<210> 14399
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 14399
 catttgttta aattcacatc tcaaggaggg agaaccggg ctgtgttggg tggttgccaa 60
 tttcctagaa cggaatgtgt ggggtataga aaaaggaatg aataagcgtt gtttttcaaa 120
 tagggctcct gtaagttatt gcatgagagg gaaaagattg actggggagg gcttaaaatg 180
 atttgggaaa acaattgctt ttgaggctca gtgacaacgg camagattac aacttamaaa 240
 aaaaaaataa ataaaaaata aaggaakttg cacggttatt ttgcaacaca agggggc 297

<210> 14400
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 14400
 acagccatgg cggagctgtg caggaggagc tctcggtcct ggccgcgatt ttctgcaggc 60
 cccacgagtg ggaggtgctg agccgctcag gtgactaccc gcgcgcggga gggacagggc 120
 gccctcaggg gccaccgcg ttcgctttgc gtctcctccc caccacggag cctgggcacc 180
 ccgcctgggc ccacgtatgg ggaccggggt agttgaatga tggaatgaca cgcccga 238

<210> 14401
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 14401
acaatgagac caggattaaa aaataaatga aaggattgca tgttttggg ttatcactga 60
gattttgaat ttcccagtc tcagttgta gtttttattt attttttgg gatggagttt 120
cgctcttggt gcccaggctg gagtgtaatg gctcattgca acctccgct cccagcttca 180
agtgagtctc ctgcatcggc cttccgagtg gttgggatta caggcatgcg ccactatgcc 240
c 241

<210> 14402
<211> 279
<212> DNA
<213> Homo sapiens

<400> 14402
cttttttagc gccakctgct cgcgkygccg cctcctkytc ctccckytgc tgmwgcgct 60
gccgccctga gtcactgcct gcgcastccg gccgcctggc tccccatact agtcgccgat 120
atttgaktk sktacaacat ggagacatt gacaacctgc ctagggtagt taaaagacga 180
gtgaatgctc tcaaaaacct gcaagttaaa tgtgcacaga tagaagccaa attctatgag 240
gaagtcatga kcttgaaagg aagtatgctg tctctatca 279

<210> 14403
<211> 259
<212> DNA
<213> Homo sapiens

<400> 14403
cttattttccc ctgctgtggg actcgacact gtcggaatga gccttcctag tgacgcagga 60
ctaaactcct gaataataaaa ggagcccaga gctgttgagt acatctacta tgctttactc 120
gaaatatctt aaatgaaaaw tggrgaaatg tgaaattaaa ataattcaaa cttaaagctg 180
ttagaatttt aaagtattcc agccttaaga ggaatacggc tatgtggctt ggtcacttg 240
atgtacaact gcaacttct 259

<210> 14404
<211> 330
<212> DNA
<213> Homo sapiens

<400> 14404
aatcctgggt gccttcaact ttctcaattt ctccttcctg ctggctagaa tgaggacgat 60
ggaaagaact actgtggact atgtgaatta agcaacacac tggatgatggc agagaaaaca 120
ggtaaaagga aactagaacc ttgagactgt ggaaccgcca taccagccct gcaattttgt 180
gccagaatt gagaattttc tgttgggtat tgctgtcat ctagaaaaca ccagctacca 240
atagatgtcc tctctgtgcc gaaatactgc ttacctcagg ggatattggc ttgcttgctt 300
ccttttctgc caccgccctc cccacacccc 330

<210> 14405
<211> 216
<212> DNA
<213> Homo sapiens

<400> 14405
tggtagttgg aattttcatt actaatgatg cccctgcctg tggatcattcc tgctgcctc 60
ttgatgcaca caggcacgca tttctgctgg gtatgtccta gttccagact cactgggtat 120
acggtatgga tgtaattatt gttagttttc cagtgtgatt aaacatcaga ttagcgccca 180

ttagcaatgt ctgaggctgc ctgttgctcc actcgg 216

<210> 14406
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 14406
 cacagagaga ttagataaat tgttcaaggt cacatggcaa gtgaatgatg gaattgagtt 60
 ttggacccag gtgggctgat ttgagcctta cctgtgctct taacgacttt tctaaactgc 120
 ctcctgccca aga 133

<210> 14407
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 14407
 attcgggctc ccgcctctgt tcaggacact gggccccctt ggagcctccc caggcttaat 60
 gattgtccag aaggcgg 77

<210> 14408
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 14408
 ctaaatagcg tcacaccttt agtctctacc attctctaga caggatttca ggatccatag 60
 tctaggtctc cagttcctgg actatcgcca ctgtaatgat tgtccccctc catgccac 118

<210> 14409
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 14409
 agtggattag tttctttttc tgtaaagtaa gagaatgatt tttattatcc tgtccagcaa 60
 gacatagtta ttatgaacaa tttttgctcg tgagtgtcta caaaatataa taatggccgg 120
 gtgcggtggc tcatgcctgt aatcctagcr ctttgggaga atgaggcggg aggatcacga 180
 ggtcaggaga tcgagaccat cctggctaac agagtgaaag cccatctcta ctaaaaatac 240
 aaaacattag ctgggcatgc tggcaggagc tgtagtccca gctacttggg aggctgaggg 300
 aggagaatgg tgtgaacctg ggagg 325

<210> 14410
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 14410
 cgtattttatt gcatttttgt tttctgttca tttcgttttt tgttttctca ttgagtgggtg 60
 tcacttgtct ggaggctatt gttatgaatg cctgtccttt ctaatacatc tgtgtg 116

<210> 14411
 <211> 120

<212> DNA

<213> Homo sapiens

<400> 14411

ttggcctttg tccacctagt aatgctcttc actgcaatgg agtttttgtc tccagacatg 60
tttgagccac tgaattttca gaataacttt agatgtaaag ctttctttcc tttttttttt 120

<210> 14412

<211> 168

<212> DNA

<213> Homo sapiens

<400> 14412

aatgcttggc agagtctcct cctgggtggc actgtagcag ttgctcttgc gatggagcag 60
gggaggcaca tccccacat tctccttct cccaggctgt cctgagaatc tatcatgttt 120
accacaggct cccaccctt tggcaccatg ggtgcctgct accactgt 168

<210> 14413

<211> 139

<212> DNA

<213> Homo sapiens

<400> 14413

tactagattg gggttctttt atgtgtgggc ttttaatgct tggatatctt ggtcttccta 60
atatgtaatg cttagcataa taatttttagc cattattcat ttttgtagta ggcttcacta 120
gcttctgct tctcaaatc 139

<210> 14414

<211> 115

<212> DNA

<213> Homo sapiens

<400> 14414

acacgcggcc taatggacgc cctcctcgag atcccacggc tgcgcggaga accgaacgga 60
gggagggagt ttggggaggg ggaagagcag gaggaggaga aaagggaggg ggaag 115

<210> 14415

<211> 63

<212> DNA

<213> Homo sapiens

<400> 14415

actgggttcc tggctggggt tgggggcaga sagagaggca atggagaccc agacaccctg 60
cag 63

<210> 14416

<211> 288

<212> DNA

<213> Homo sapiens

<400> 14416

cattgaaaac atagtataca ttactaaaag gtaaattatg ggaatcactg aaatatTTTT 60
gtagattaat tgttgtaaca ttgtctttct ttttttctt ttgtttcatg attttgattt 120
ttaaattat tagcacacaa ctattttcag ccctttaata atggagcatc aaaaacatca 180

cctgtaaccc caagcaaata tagaagactg tatttttttac tatgatatacc attttccaga 240
attgtgatta caatatgcaa agagtcataa atatgccatt tacaataa 288

<210> 14417
<211> 102
<212> DNA
<213> Homo sapiens

<400> 14417
aaattcagga atggattttg gagtttctgg gtgctgaaga aatagggcct ttccgcctgc 60
gggcccagtg agtcgacacg gtggggggccc gcgatccccg gg 102

<210> 14418
<211> 196
<212> DNA
<213> Homo sapiens

<400> 14418
gtcacctaataat ggccgcctggc aatggccggc ggccccggcc cttecgctgtc cctcgggtcct 60
cggggtgtca gggacagctc cgcgtcgctt tgtctcgctt ctteggggcc acgggtccag 120
ctagacacgc ttagccttta acactcaagc cnggrttsn aagaccgctc cttecgctctg 180
cgaccacggc tgccct 196

<210> 14419
<211> 194
<212> DNA
<213> Homo sapiens

<400> 14419
ttagttgcca ctgacttttg ggtgggggag tcagctgtgg tgcctcagc aaatgggttag 60
ctggaaaact gagagctgcc gagattaccg gcctcccccc ttctttttga acacactgac 120
aaaacgatct gagtaatggc ctttgttcac ctgttcaaag cgagccaaaa tttattgagc 180
acctactctg tggc 194

<210> 14420
<211> 94
<212> DNA
<213> Homo sapiens

<400> 14420
ttcttctgtg cgctcgggct cctgggtccc gctccccggg taccggggcg cgagtatgac 60
cacaatggcg gccgccacc tgctgcgcgc gacg 94

<210> 14421
<211> 73
<212> DNA
<213> Homo sapiens

<400> 14421
aaatctttct cagcttctcc tagaatggct ctgcttccct ggggccccag gacctatggg 60
aaactaacgt aga 73

<210> 14422
<211> 61

<212> DNA

<213> Homo sapiens

<400> 14422

gttgtagct gatatccatg gcagctgcag tggcaggtaa tgtcttaca taacagaatg 60
c 61

<210> 14423

<211> 260

<212> DNA

<213> Homo sapiens

<400> 14423

attacaatgt atctttcagg gaaacctatt attatcaatg tgactccacg ggggagtcca 60
tggatgatgat gatgaggagg aggatgatga tgatgagaca cctctaaact tggaacaagt 120
ttaagacttt atgagagaag aaaaaaatc accaacaaga attgtttgag gaaaaakkat 180
aactatcctg tgttcatttt tttttataa acaataagaa aaagttgttg gatttttttt 240
taatgatttc ttttttgkg 260

<210> 14424

<211> 97

<212> DNA

<213> Homo sapiens

<400> 14424

acyctcccc ggcccggcct ggcccggcct ggccagtcct cgcggtctct gcccggtctg 60
acgccaggga atgtggtcga cgagaagccc caacagc 97

<210> 14425

<211> 119

<212> DNA

<213> Homo sapiens

<400> 14425

caatgtgtga gcgtaccacc ccatatctat gagtgtgtgt ctatatgtgt gtgaatctat 60
gcatgtgttt gagtgtgtct atgtgagtct atgtatgtga gtccgtgtat gagtgtacc 119

<210> 14426

<211> 200

<212> DNA

<213> Homo sapiens

<400> 14426

cgccccggg aggttttgat tttagtggct ttcttccttt tattttccgt cgtgtgcgga 60
tttcgctgca gagcgaactt gcggtcgtc ggagtacatg tgagcggtaa tcgcccctgc 120
agctggttat cctgacacta tgcactccga agcagaagaa tccaaggaag gtaggattct 180
ggtttttcct gggggccggc 200

<210> 14427

<211> 340

<212> DNA

<213> Homo sapiens

<400> 14427

cgccccgggg	agggttttgat	tttagtggct	ttcttccttt	tattttacgt	cgtgtgcgga	60
tttcgctgca	gagcgaactt	gcggctcgtc	cgagtacatg	tgagcggtaa	tcgccccctgc	120
agctggttat	cctgacatwa	tgactccga	agcagaagaa	tccaargaar	tgggcacaga	180
atgtctttaa	ttccaaaaac	ctggccgktc	aggcacaaaa	raagatcttg	ggtaaaatgg	240
tgtccaaatc	catcgccacc	accttaatag	acgacacaag	tagtgagggtg	ctggatgagc	300
tctacagagt	gaccagggag	tacacccaaa	acaagaagga			340

<210> 14428

<211> 333

<212> DNA

<213> Homo sapiens

<400> 14428

acattattcc	atcatttgtg	ttgatggata	tccaggcttc	tacagtggtc	acctatgtgt	60
atcagctaata	tgagatgat	gtgaaagtag	aacgaatcga	atacaaaaaa	ccttaaagcc	120
aggcctgtct	tgatgatttt	tggttttttt	tcattgtcct	gttgaaatca	agtaattaaa	180
catttaagag	ccacaaaatt	gtatcacttt	tataatattt	tgacgtaaaa	tataatacca	240
tcttctctgt	kaatacataa	ttgctccaag	cttctctgtta	actataagaa	tatatattagt	300
ttacagtata	tggaattctat	gaaaaaatgt	cca			333

<210> 14429

<211> 411

<212> DNA

<213> Homo sapiens

<400> 14429

acggggccgc	ctggagaggt	gctgggagct	gggtggagct	tagaggaatt	aaactttggc	60
cctgcgcctc	gtccagccta	ggttccaccc	ttttctggga	acgctggagt	gcagtggcac	120
catctcggtc	cactgcaacc	tctggctccc	rggttcaagc	gattctcctg	cctcagcccc	180
ctgagtagct	gggattacag	gcacgcgcca	ccactcccag	tttacacccc	gccactcctg	240
agcacgcac	accggcttcc	tcccagtcct	tcatctgaga	actcatgaag	ccacttggaa	300
tccctctctg	ctttgcctgg	ctcattccat	gtcaatttca	gatcttcact	tcaggtcagc	360
tccaaggagg	ctatccttgc	ccatcttctc	aaaatagagc	tctcaaaacc	t	411

<210> 14430

<211> 200

<212> DNA

<213> Homo sapiens

<400> 14430

tngagtggak	ataattacgg	agaagtcata	ctctctcaca	ccctcggctt	tcttgttgtg	60
tccttcagca	aaacagtggg	tttaaattctc	cttgacacaag	cttgagagca	acacaatcta	120
tcaggaaaaga	aagaaagaaa	aaaaccgaac	ctgacaaaaa	agaagaaaaa	gaagaagaaa	180
aaaaatcatg	aaaaccatcc					200

<210> 14431

<211> 182

<212> DNA

<213> Homo sapiens

<400> 14431

tttctgagtt	tatttcagcc	atgttttagc	agcattccag	gatgctgtta	atgcctcaca	60
gtggttaagg	gcaagacctt	agttcaagac	ccagcttggc	cactcactta	ctttttggcc	120
ttaggcagat	ttctttctcc	tgcgagcatc	agtgtcctca	atataaaatt	ataatggtag	180

182

```
<210> 14432
<211> 316
<212> DNA
<213> Homo sapiens
```

```
<400> 14432
gttattcttc ggtttgctc ctcccagtg gctggatttg ctcccgacc gcttttgggg 60
cgtgctgctg tcctcctctc tgtaggtga gtgagtaggc gtcattcttc acagtagtcc 120
tctgctccca nengccccgg gatctccttg cgctcggtcc tctacgtgga gtcacctatg 180
cagaggaatt ccacggggcg ggggcgagga cagggtgcgg gggtctttat ggcagacaat 240
ccccggctga gcgcttggcc agagtctctg tgatgctaga atctggactg cctgcgacct 300
ctccgggact cgaca 316
```

```
<210> 14433
<211> 312
<212> DNA
<213> Homo sapiens
```

<400> 14433						
aattctaacg	aagcactcgg	acacgggagt	ttgagtcctg	caaatcaaca	acgtcagcgc	60
cagctggtcc	tcgcccggcc	ggtgacgggc	ccccgggagt	acgtgctgga	cctggagatk	120
gcaccatgaa	tccctcatg	agctaccggg	ccagctcngt	actgaggctc	accgtctgta	180
ggggcctaca	cctctgagga	gcaggaggga	gccacctcc	ctgcagctac	cctagctgag	240
gagcmtgttg	tgaggggcag	aatgagaaaag	gcccaggggc	ccccattgac	aggagctggg	300
agctcwgcac	ca					312

```
<210> 14434
<211> 252
<212> DNA
<213> Homo sapiens
```

<400>	14434						
tctgctctct	tttctccgc	cggctctaac	cygcgcttgg	ctaagggtccg	cggaacccg		60
tgagccaccg	agagagcaga	gaactcggcg	ccgccaaaca	gccagctcg	cgcttcagcg		120
tcccggcgcc	gtcgcgccac	tcctccgatg	gccacagatg	tctttaattc	caaaaacctg		180
gccgttcagc	cacaaaagaa	gatcttggg	aaaatggtgt	ccaaatccat	cgccaccacc		240
ttaatagacg	ac						252

```
<210> 14435
<211> 336
<212> DNA
<213> Homo sapiens
```

```
<400> 14435
gcttccggtt ggggtggcag ggtggtggat ctgttggtcc cgttttcccg tcgcacgtgg      60
tggccactgt tggcttctga atggtttgca aggcggatat ccacgccaaag gcctttggat      120
cggcctgggg tacatccgtc tgagccggtt ctttccatcg cagagcggcg gcctccggcg      180
gcgctctcca gtcattgact accggcggct tctcatgagc cgggtggtcc ccgggcaatt      240
cgacgacgcg gactcctctg acagtgaaaa cagagacttg aagacagtca aagagaagga      300
tgacattctg tttgaagacc ttcaagacaa tgtgaa                          336
```

<210> 14436

<211> 153
<212> DNA
<213> Homo sapiens

<400> 14436
actggagccc tggccagcgc gcasccttccc ggccgcggcg ggctgggtct tgggaattct 60
ggtttgcttt ggctcactcg ctttttacia accactggat cttacatgcc tctgtacccc 120
ccacttccac tccatgtccc catgctcctg cgc 153

<210> 14437
<211> 362
<212> DNA
<213> Homo sapiens

<400> 14437
ttanaaaaaat acagtgggtc agagtagtag tacagtttga agacagtaat acctggaatt 60
gagcatcatg tctgtcattc ttaaaatttgc atgcatcttt ctaacagggg aggtagacat 120
gtagcagtaa maatagttaa aaatgtgrat agatactgtr aagctgctcg ctcagaaata 180
caagtkctgg aacatctgaa tacaacagac cccaacagta ctttgtaagt atcagattag 240
aacttgggaa gtggtatcag gtatatattaa attaggagca actatactta gctatatttc 300
atgtgtttgt agccgctgtg tccagatgtt rraatggttt gagcatcatg gtcacatttg 360
ca 362

<210> 14438
<211> 142
<212> DNA
<213> Homo sapiens

<400> 14438
ggttccgggtg tcagcggcgt tgaattgccca tggcaatgcg gtgggcgcgc gcttgctcgtg 60
ttggtctctt gggatagcgg ggctaggccg ggccgggtatc cgcctctccc agcttagatt 120
cattgattcc aggtaaatca ga 142

<210> 14439
<211> 120
<212> DNA
<213> Homo sapiens

<400> 14439
cagtttctaa ttggtggaat ttagatgatt ttatcattgt atgttcccct ctgtatacat 60
gtgaatgtga actgttcttc aggatagaca tttaaacttc gatttttttt tttttttttt 120

<210> 14440
<211> 242
<212> DNA
<213> Homo sapiens

<400> 14440
tgatgtgtgt gttttgtttc tgccatagta ttgttagtta gtagcatgga gttccaattg 60
tataattgct tcatagtatc tgtgagcttt gtattttatt gtccttttat gatgttgtat 120
attgtgtttt tgttttcatg tttagaactt ccttgagcat tttttttttt ttaagacaga 180
gtcycgctct gtcactcagg ctggrgtgca gtggcacgat ctkggctsnc tgaaacctam 240
ac 242

004220" 6667560

<210> 14441
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 14441
 aagattgttt tctgaattg tggctgcgca gagactccgg ggtgggatga gaaccaagac 60
 tgccccactg cctccctacc cgactgacat tggacacggr acaagagacc tgacagggkc 120
 caacagagaa rcgcggatgg gctccagagc ttctttccag acccgcsagt ctctgggtgc 180
 aacag 185

<210> 14442
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 14442
 atcctgactg gttcatcctc cccggaactt cctagacgcc gtacgtgcc a gatggtgtta 60
 cctggagctt aaaaagctgc acgcaagtgt taaacttctg acaatggcca agaacaaatt 120
 aagagggccg aagtccagga atgtatttca catagccagc caaaaaaact ttaaggctaa 180
 aaacaaagca aaaccagtta ccactaatct taagaagata aacattatga atgaggaaaa 240
 agttaacaga gtaaataaag cttttgtaaa tgtacaaaag gaacttgac atttcgcaaa 300
 aagcatttca cttgaacctc tgcagaaaga actgattcct cagcagcgtc atgaaagcaa 360
 accagttaat gttgatgaag ctacaagatt aatggctctg ttgtaatata ctggtgatgc 420
 atctaattct ccacaaag 438

<210> 14443
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 14443
 atcctgactg gttcatcctc cccggaactt cctagacgcc gtacgtgcc a gatggtgtta 60
 cctggagctt aaaaagctgc acgcaagtgt taaacttctg acaatggcca agaacaaatt 120
 aagagggccg aagtccagga atgtatttca catagccagc caaaaaaact ttaaggctaa 180
 aaacaaagca aaaccagtta ccactaatct taagaagatt cctcagcagc gtcataaaag 240
 caaaccagt t aatggtgatg aagctacaag attaatggct ctggttgaat atactggtga 300
 tgcatactaat tctccacaaa g 321

<210> 14444
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 14444
 agatgagaat ttatgtaccc ccaaaataga cacataaatt acatccttta aaaatacatc 60
 ctctaaggtt tttgttttct ttcttttttt ttncctttcac at 102

<210> 14445
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 14445

tgtatgtaca	gmaattttga	acaaattggt	ttaaattgtaa	tataagagaa	ttagtttaag	60
gaagtaaaga	gaatmatttg	mttgtgttam	atthttmagtg	aggattmagt	ttaaagagtca	120
ttcttaggam	ttncatttcc	taatatthtat	tcatgggtaa	tgmagaaatg	gtttgcattt	180
tgtggccagt	cctaatttat	tttccagctg	agccctaact	tccggctccc	acctacct	238

<210> 14446

<211> 429

<212> DNA

<213> Homo sapiens

<400> 14446

cccagctact	tgggaggctg	aggcaggaga	atcgcttgaa	cccgggaggc	gggggttgcg	60
gtgagccgag	attgcaccac	tgaactccag	ccagggtgaca	gagagagact	ctgcctcaaa	120
aagaagaaaa	accgtggccc	aggaaggcat	gtgaatgagc	tgggtgcagca	tttgggtcttg	180
gcccagtgga	tggtgatttc	ctgtctacaa	gtcatgggac	ccaagtacct	taatgccatg	240
aggcagcttt	ggttagaatc	tctttgctct	ctttcactaa	tttcacatcc	acgtgggttct	300
ccctaggcta	gcagcctaata	tttgtggggg	aaactaanns	caactatggg	atttcagagc	360
tttcccttgg	tatgccaggt	tcgttgcat	gtttgaaatn	ngctttcagc	ctgwntgcat	420
tttttcaga						429

<210> 14447

<211> 316

<212> DNA

<213> Homo sapiens

<400> 14447

gcaacatggt	aaaacccagt	ctctacacaa	aataaaaaaa	gtaagctggg	cggtgctggtg	60
tgcacctgta	ttcccagcta	ctccagaggc	caagggtgga	ggatcacttg	agcccaggag	120
gtcgarggyt	gcagtgaggc	gagattgtgc	caactgcacta	cagcctgagc	gacagagtga	180
gaccctgtct	caaaaaaaaa	tcgggttttca	taaaaaaata	aagatcagtt	gaayactttg	240
tctttgcagg	tcctgcaggt	taagttcaaa	aacttttttt	tagtggtttt	attattgaga	300
aaatttcatt	tcaccc					316

<210> 14448

<211> 248

<212> DNA

<213> Homo sapiens

<400> 14448

tttagtcatt	tgtatccttc	tgtgaatttc	ctgttacctt	gcacattttt	ctgttaggat	60
tttaattgctt	tagtattcta	tgtttgttt	cttttgtaatt	tgagttcttg	gtgggcttct	120
ttttgtttt	tttgagacgg	agttcgctgt	cacccaggct	ggagtgcagt	ggcgttgcct	180
gggtcactg	caagctccgc	ctcccgggtt	cacgccattc	tcctgcctca	gcctcccag	240
tagctggg						248

<210> 14449

<211> 160

<212> DNA

<213> Homo sapiens

<400> 14449

tgtgttatta	actattattt	atttaaattt	tagaacattt	gaattttgat	agcaactatt	60
tctgacttcc	gcctttgttt	ctctctggct	cccacaagtc	tttgcttgaa	gtcccacaag	120
atgaggtact	ctggctctcc	agtttttgcg	gtataccac			160

<210> 14450
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 14450
 tccttctgtt tactctttta attttcatcc tttgcaggta gtgcaaattc aacttcaaatt 60
 atggtgtagg ttttgctaga ttccatattt ttttcttgga tttttgctaa ttatttttag 120
 caaaaaattt ttgctcagtg gcaccctccc tagtgtccat gggtagggc catgctggg 180
 aaaacgg 187

<210> 14451
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 14451
 aacttcgggt tctctgtcag tcgcgagcga acgaccaaga ggggtgttcga ctgctagagc 60
 cgagcggaag tgccataaat aaaggaactt gtttcttcaa gctcttctgg cagtgtattct 120
 gacagtggg ttgacaaaaa gttaaagagg aaaaagcaag ttgctccaga aaaacctgta 180
 aagaaacaaa agacaggtga gacttcgaga gccctgtcat cttctaaaca gagcagcagc 240
 agcagagatg ataacatgtt tcagattggg aaaatgaggt acgttagtgt tcgcgatttt 300
 aaaggcaaag tgctaattga tattagagaa tattggatgg atcctgaagg tgaaatgaaa 360
 ccaggaagaa aagggtatttc tttaaatcca gaacaatgga gccagctgaa ggaacagatt 420
 tctgacattg mtgatgcagt aagaaaactg taaaattcga gccatataaa taaaacctgt 480
 actgttctag ttgttttaaa ctgtcttttt acattggcct ttgttttcta aatgttctcc 540
 aagctattgt atgtttggat tgcagaagaa tttgtaagat gaatactttt ttttaattgtg 600
 cattattaaa aatattgagt gaagctaatt gtcaacttta ttaaggatta ctttgtctgc 660
 cc 662

<210> 14452
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 14452
 aacttcgggt tctctgtcag tcgcgagcga acgaccaaga ggggtgttcga ctgctagagc 60
 cgagcggaag nntgcctaaa tcaaaggaac ttgtttcttc aagctcttct ggcagtgtatt 120
 ctgacagtga ggttgacaaa aagttaaaga ggaaaaagca agttgctcca gaaaaacctg 180
 taaagaaaca aaagacaggt gagacttcga gagccctgtc atcttctaaa cagagcagca 240
 gcagcagaga tgataacatg tttcagattg ggaaaatgag gtacgttagt gttcgcgatt 300
 ttaaaggcaa agtgctaatt gatattagag aatattggat ggatcctgaa ggtgcagggc 360
 ggttgagatg gcattggaca gtgacagcct gttgttgttg 400

<210> 14453
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 14453
 atttctcttc gcagctcgct gcctcctcta tccctgcctc cctctccacc ccaccttttc 60
 ttctttctcc 70

004220" 5557560

<210> 14454
<211> 266
<212> DNA
<213> Homo sapiens

<400> 14454	
ttaatasagt tttagaattt tctggatact agtcttgctc attttttggt agatttatcc	60
ccagctgtct tacatTTTTT gatgcttttg taaatagtat tttctttctt tttttkgkkg	120
ggggcggggg acagagtctc gctctgtcac ccaggctgga atgcagtggg gtgatctcag	180
ctcactgcaa cctccgcctc ccaggttcaa ggaattctcc tgcctcagcc tcctgagtag	240
ctgggactac aggcgtgcaa caccat	266

<210> 14455
<211> 221
<212> DNA
<213> Homo sapiens

<400> 14455	
ttgattgtat cacaacaggt acaaaaactga cagagttttc tttttgttta gggccatggt	60
tactaccctg aaatgttgta ttttttgtct ttaatttcca agacttaaag cagtcttggt	120
aaattgacat aaatggtaaa cttcaacatt ttcataatac agtattaatg tttgataaag	180
gtatatccca gttaactaca ctgctcttta attgcaatca t	221

<210> 14456
<211> 187
<212> DNA
<213> Homo sapiens

<400> 14456	
aaagagctct tacaactcaa taaaaggcaa gtaatttaaa aataggcaaa agaattgctg	60
gatggtatgg tagttctatt tttagttttt accctaacta ctctgacttg atcatTTAAC	120
attctgtgta tgtaacaaaa tatcacatgc ataaatatta tgtatcaata aaatttttta	180
atggaca	187

<210> 14457
<211> 488
<212> DNA
<213> Homo sapiens

<400> 14457	
agwcctccct aggaggagca aagggaaggm tttgggggtcg ggggcaggag aatcagcggc	60
acttgacctg ctggaaatcc tgcctcamac tcccctttct ccgtccctgc gtccccaccc	120
acacacacat cttgggcagc actcagggac ctcaccaggt tacccaaggc tctttggagg	180
tatgtgtgcg tgagggacca cgatgtgtgt gtgtgtgtcc ttgtctgtga ctctgtacgt	240
gtaatctgtg tgcgcttgag tatctgtatt tgtgtatgta tatactctgcg tgtacagaca	300
cgcagcctct gctacctagc tttaaaaaaa tcnnttgaaa caatcgatac actcanactc	360
gctctcgggc accgggtggn gtggggggcg aaccagaata csgtgtcagc gggctctggc	420
cagcacaatc tctcrnncgc tggetgcccg ggmtatttct tgcgaaragc gttttcattt	480
gaggcgra	488

<210> 14458
<211> 355
<212> DNA
<213> Homo sapiens

<400> 14458
 cccatacagg cccccacccat gaagggtttc acagccactc tcttcctctg gactctgatt 60
 tttcccagct gcagtggagg cggcnggtgg gaaagcctgg cccacacacg tggctctgtag 120
 cgacagcgnc ttggaagtgc tctaccagag ttgcgatcca ttacaagatt ttggcttttc 180
 tgttgaaaag tgttccgaca attaaaatca aatatcaaca ttagatttgg aattattctg 240
 agagaggaca tcaaagagct ttttcttgac ctagctctca tgtctcaagg stcatctgtt 300
 ttgaatttct cctatcccat ctgtgaggcg gctcttccaa gttttctttc tgtgg 355

<210> 14459
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 14459
 gaggccctga cgtggacaca cttcgggttt tacgactccg gggtttctcca ggggatgggc 60
 cggccggtag aggcgcgtga gggagacgaa gggacttccg tttccttcac ctaggctggg 120
 gccaaagccgc agagcgsagt tggcatttcc agattggggc tcgggcccgc cctcctccgg 180
 gaccctcccc ttggaccg 198

<210> 14460
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 14460
 gcacacagcc atccatectc ccccttcctt ctctcccctg tcctctctct cggggctccc 60
 accgcgcgcg cgggcccggg agccaccggc cgccaccatg agttccttca gctacgagcc 120
 gtactactcg acctcctaca agcggcgcta cgtggagacg ccccgggt 168

<210> 14461
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 14461
 ccactgcgaa sccagctgcg cgcgccttgg gattgactgt ccacgctcgc ccggctcgtc 60
 cgacgcgccc tccgccagcc gacagacaca gccgcacgca ctgccgtgtt ctccctgcgg 120
 ctcgacacaca tagtatgacc attaggtgtt tcgtctccca c 161

<210> 14462
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 14462
 gtgacgtgtt gtgaagcacg tcagctgctc cttgttgctg tgcagatcac ccaacattag 60
 gtcaccgaga gagacagcag ctcttgctca cacagctgat aggattagga gatgrtgctt 120
 tgtcagccct gattgagccc aagaaaaccc c 151

<210> 14463
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 14463
 tatatcaagt aaaggactaa agattaagcc ctccctttttt gttctaaaaa ggaaataatc 60
 ccgtgatggg gtaactttca tggcctcttt atatttaagt ttctgatgct ttgcttagga 120
 tgcaccttgt gttcctacac cccctagagg ttgactactg ctatgtttgg gggctagagg 180
 agcggttatgc tgctgtccta gttgaaacaa gacagttccc ccgatctttg tttagttttt 240
 ttagtggtcc ttggtgatt 259

<210> 14464
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 14464
 attcattgct cggtccctc cggtcccgca gacacccgga cctcccttgg ggcagctc 60
 cgcggtcca acgggtccag aaacaagccg gratttttt ttttyctycc kggaaattgg 120
 ctttggtgtg tgt 133

<210> 14465
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 14465
 agagcgtggn cgggaccgag cccgggccc acccgcaagc cgtggcagct gtgttgctg 60
 cccgggggtg cggggagagg atgggggtcc ccacccgaa gcaattctgc cccatcctgg 120
 agaggccgct catcagctac accctacagg ccttgagag agtatgttg ataaa 175

<210> 14466
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 14466
 acctcgcn ggcctgacct gttaatcag tccccacggc tctcctagcg gggacaccgc 60
 cgtctgcagg ctccgtcccc acagtgccca gaccccgga agttgtmag tmagcaccct 120
 gatgccagcc gattctcaaa aasc 144

<210> 14467
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 14467
 attactatga tcacattgat ctaaccccc aagtaatgga tctgtgtaat attttctaca 60
 tatgtatgtg tgcaggact ttcccatggg ttctttcgca ttttaattgtt gagaagtga 120
 aactgggtat ccmgtcaagc ttggagagtc tgaagaaata gtatgaggta atgtgtttca 180
 aataaaggaa aatgagaaga ttcataaact taagtcactt cccaaaaacc ttctaccaac 240

<210> 14468
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 14468
aaccgctgg ggtctccgtt tcaggctgtg gaagctttgt tgtttcagtc ttgcaataa 60
atcttgctgc tgttcaccct ttgggtttgt gcggctttta tgagctgtaa cactccccga 120
gaaggtctgc agttccactc ctgaagccag cgagactggg aaccactgg gagggaggaa 180
caactccaga cgggagacac gaacaactct ggcc 214

<210> 14469
<211> 294
<212> DNA
<213> Homo sapiens

<400> 14469
ggggttaaag ttcagctcat ggagcggcaa tagcgtggc tggctggctg cagttgagcc 60
gacttgaaa tgtgaacgca agaagcaggc ttgatttttt tttctcccc cttctctctc 120
tctctctctc tctctcttcc tctctccctc tttctctctc ctcaccaca ctcacgcaca 180
cctccaaacc gcacaccag acgcacmcgc atacccagc gcccggcagt tatgtattct 240
ccgctctgtc tcaccagga tgaatttcat cctttcatcg aagcattct gcc 294

<210> 14470
<211> 75
<212> DNA
<213> Homo sapiens

<400> 14470
cctgatagtg aataagtctc acaagatctg atggttttat aaaggggagt tccactgcac 60
acgtctctctc ttgcc 75

<210> 14471
<211> 340
<212> DNA
<213> Homo sapiens

<400> 14471
acactcgcga gcggaccgcc acacgggtcc ggtgcccgt gcgcttccgc cccagcgctc 60
ctgaggcggc cgtacaatcc tcggcagtgt cctgagactg tatggtcagc tcagcccggc 120
ctccgactcc ttcgactcc cagcattcga gccacttttt ttttctttg aaaactcaga 180
aaagtgactc cttttccagg gaaaaaggaa cttgggttcc cttctctccg tctcttttc 240
gggtctgama gcctccaccc actccttccc cggacccgc ytcgcgcgc aggttctcc 300
cagtmactt tctcmacccc cgcccccgma cytagccgc 340

<210> 14472
<211> 335
<212> DNA
<213> Homo sapiens

<400> 14472
acactcgcga gcggaccgcc acacgggtcc ggtgcccgt gcgctkccgc ccagcgctcc 60
tgaggcggcc gtacaatcct cggcagtgtc ctgagactgt atggtcagct cagcccggcc 120
tcgactcct tccgactccc agcattcgag ccactttttt ttttctttga aaactcagaa 180
aagtgactcc ttttccaggg aaaaagggaac ttgggttccc ttctctccgt cctcttttcg 240
ggtctgamag cytcmaccca ctcttcccc ggccccmagn agytcggtca tcagaggacg 300
cagtgamacc tggctccctg cgagggtccc ctctc 335

<210> 14473

<211> 194
<212> DNA
<213> Homo sapiens

<400> 14473
acaggcgag agtccactgc gcgggggcg gaccggggag ctagctgcag gtacgggtgct 60
ccgtctcctg tggaggttt agcggtcgt ggacactgct ccccatctt ctttcatttc 120
ccccgtcttc tcagtgcgat ttccttggtg agttattgga ggagaaagga aggaaaacta 180
gaagccagcc cgcc 194

<210> 14474
<211> 672
<212> DNA
<213> Homo sapiens

<400> 14474
ttgtaagccc cacctcaggc ctactgaatc agaagctctg ggggttgggt ccagaagtct 60
gttttagtca accctctagg tgattctgat gctcgctaaa ggttgagaac tactgcttta 120
gnaatgaagt cgtataataa agtctctgaa aaggccttat tcagaataag caagaaaggt 180
tctgtgattc acttttgctt ctggggctgg caaaaacctt ctctgaacct acacaccaag 240
ttcgtagtgg gtaggtgccc agccaagtcc tgacatcttc atgccccctc tgcagagggc 300
ggctgtacga tgttcacatg tctgcgtttg gtcagacatc atctccttgg ctgccctttg 360
aaaccaaata acttgccctg gggataaagt gctcaattgg cattagttag aagcccatcc 420
tatcccttga cataactaat catatatctc tccagagaac tcacctgaca aatgtctctg 480
agcacaggct gacaccaaag tggcacaact gcacagttct cagatttctt tgcacagatt 540
gatttttatt gcgggttttg ttgggggtgtc ttaatgttca tctcttttcc actgcccata 600
ctctgtgaac ccatacctct ctagatggag cagggtggcca ctggtgcctc atactcagta 660
ttgaaaacca ct 672

<210> 14475
<211> 79
<212> DNA
<213> Homo sapiens

<400> 14475
gacacttgat ttctagtcgc agattcttag attccttatt agtaaaatac atataatatt 60
ttttattttt cagaaacat 79

<210> 14476
<211> 260
<212> DNA
<213> Homo sapiens

<400> 14476
aggcgcgctg ggtcttgtgg gtggaaacgc gctggctgac tggggtcggc gtttagttca 60
gcgcasract cggggacctg gagctgacgc mtgacactt gtattagctt taatagaaga 120
ganatggagg agccatagaa tattaaggat raattctcgc ttcttgctag gactgaacca 180
tgagacttac agccatactt cacttttccc agggtttwct tataacaatg gagtcgtcat 240
gacctcctgt cgtraactgt 260

<210> 14477
<211> 261
<212> DNA
<213> Homo sapiens

<400> 14477

agtggcggtca	ggggcgcttt	agggactgga	cttgcagtgt	aaacagagac	gctgcaaatt	60
gcttgtaggac	ggtgtaggcc	gctgcaggcc	accatgaacc	ggcttccgga	tgactacgac	120
ccctacgtca	tgccaatctc	atcttgtttt	ctgcacargc	gtagtcaagc	ttcatggccc	180
ttcataggac	aaagtctgaa	aaaaatggca	gcatcagcat	gacttgaggg	tggagctctt	240
ggccctgtga	cgtcraaaga	g				261

<210> 14478

<211> 410

<212> DNA

<213> Homo sapiens

<400> 14478

tttccactcc	tgagggaagc	tggagaaaca	aaccctcttg	gctgtctgct	gtccagggag	60
tcgccactcc	cttcattaya	gccttgckca	gagtgcagcg	gcaggcctgg	ggatggcctc	120
gggagaggga	ccacagagca	ccagcctgca	tggaaacttc	ttcctcactc	agcttcccac	180
gttgccagct	gggacagggg	agatggagta	attkngctgt	ggaaagactt	cacgtcttgc	240
cgaatgaaag	tcccgcctgt	ctgtcacgct	gatgcccggtg	cagctgtctg	agcaccggga	300
atggaatgag	tctatgcact	ccctccggat	cagtgtgggg	ggcttcctgt	gctggcgctc	360
atgaccaagg	ccgcggaccc	ccgcttccgc	ccccgctgga	aggtgatcct		410

<210> 14479

<211> 213

<212> DNA

<213> Homo sapiens

<400> 14479

gggtgtgagc	ggttccagcg	acagagcact	ggactcgtcc	agagggcggc	gggtgagcgg	60
ctggggcccc	gtggagccac	catggacccc	gcagscagca	gamccctcag	tgcttcccaa	120
tcctttgact	cacctgagcc	tgcaggacag	atcagagatg	cagctgcaga	gcgaasccga	180
yaggggnagc	tcccggggcac	ttggaccagg	tca			213

<210> 14480

<211> 115

<212> DNA

<213> Homo sapiens

<400> 14480

aaaaccggcg	cgtgccagga	gacagaggct	ggggaagggg	ggaggtgaga	ggaaagaggg	60
tggaaaggag	agratagaga	gasaagagcg	gaggaccagg	aaccagagag	agaga	115

<210> 14481

<211> 346

<212> DNA

<213> Homo sapiens

<400> 14481

ttggcgggag	gctgtggcgg	tcccttggtg	gggaagctgt	tgctgttgct	agacgacggg	60
aactagctct	cgctacttcc	tcagcccggc	gtctgccac	tcctctagcc	ggaacctggg	120
ggcccgggag	ccggggtagg	cacagagttg	tcctcggagg	tccakgacag	cggccagccc	180
ggcggcggga	stcagggcca	cgccacctgc	agggaaakaac	ccgagtc saa	gcgsaaagat	240
ggctgcagac	aagcctgcas	atcagggagc	akakaaacat	gaaggcacag	gtcagtcctc	300
tgggatcact	gaksaaakaga	akgagttatc	caccaatgct	ttccaa		346

<210> 14482
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 14482
 cccaccttga cagatcccat cattacctgt ggcttggttt tggtttggtt tctatgctcc 60
 atagctactg agactgacat ctcttctctt gttgcaactt taatctgtcm aaccaatatg 120
 caggttagtc tcwy 134

<210> 14483
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 14483
 atgttgccg ggcggaggtc ttcgctgagg cccggggcggtt ggtggcgcca cccctgattg 60
 cgggtgccag gactgctcct gctggggcgga gaggacagat tttgcaaagc ggaggctgsg 120
 amsggtycct gcaggggaac agtgaggaaa gggccgcctc gtctccgctc ctgggggacc 180
 gcagaaataa gaatcaaact ccacaatg 208

<210> 14484
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 14484
 tttgatgttt tatgggncat aatcatttgg gaagtttttg ttgtaaatga agagttagtt 60
 tgttgctatt aatttggttg acacataagt tcattcctaa aagtttagaga tgttacataa 120
 arraaggggt gaggacttta tttcagaagt catttaattt tttctttatt ttctttcaga 180
 ttttgatatg tttattcaga agtgccaaat ttcagtgaac ccaaccaga ttatcgakga 240
 cagcagaaca aaggg 255

<210> 14485
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 14485
 ggggtggggcc ggcgtcgggc ggggcccggc gggctcttcag ggtaccgggc tggttacagc 60
 agctctaccc ctcacgacgc agacatggca gcgcagaagg accagcagaa agatgcctag 120
 gcggaagggc tgagcggcac gaccctgctg ccgaagctga ttccctccgg tgcaggccgg 180
 gagtggctgg agcggcgccg cgcgaccatc cggccctgga gcaccttcgt ggacc 235

<210> 14486
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 14486
 acatcgtcct cagagtgtc ggtcttcagg cagtacagca gctgcatggc tttggcctgc 60
 aggagtaagt g 71

<210> 14487

<211> 151

<212> DNA

<213> Homo sapiens

<400> 14487

tgattcactc	atctgtctcc	ccatctctct	gatctcgtct	cttgcccagt	ccaccttggt	60
tccgtgtcct	gaccacagca	ggcctcctct	tggtcccctg	aatgcatctt	gctggtagcc	120
tctgttggtc	tttctcctg	gaatgcccac	c			151

<210> 14488

<211> 469

<212> DNA

<213> Homo sapiens

<400> 14488

aagtatgagg	atgagatcaa	taagcgtaca	gaaacggaga	atgaatttgt	cctcatcaag	60
aaggacatgg	atgaagctta	catgaacaag	gcagagctgg	agtctcgctt	ggaagggctg	120
actgacgaga	tcaaccttcc	tcaggcaact	gcatgaagag	gagatccagg	agctgcagtc	180
ccagatctcg	ggcacgtctg	cgggtgctgtc	catggacaac	agcctctccc	tgacatgga	240
cagcatcatc	gctgaggtca	aggcacagta	ggaggagatc	gccaaccgca	gctgggctga	300
ggctgagagc	atgtaccaga	tcaagtatgc	agagctgcag	acgctggctg	gcaagcacgg	360
ggatgacctg	cgggtgtaca	agacttagat	ctccragatg	aaccggaaca	tcagccrgct	420
ccaggctgag	attgagggcc	tccaaggcca	gggggcttcc	ctggagggcc		469

<210> 14489

<211> 87

<212> DNA

<213> Homo sapiens

<400> 14489

acacaacnac	tcttccccgc	tgagaggaga	cagccagtgc	gactccaccc	tccagctcga	60
cggcagccgc	cccggccgac	agcccc				87

<210> 14490

<211> 121

<212> DNA

<213> Homo sapiens

<400> 14490

ctcgaccttg	gacttcaggc	caggccacct	gccccctggg	agccccgcacc	acagccccag	60
ctgcagctga	gccgctctca	ggcctcccc	cctccctacc	tgccccacc	ctccccacct	120
g						121

<210> 14491

<211> 147

<212> DNA

<213> Homo sapiens

<400> 14491

atthttgata	ccgtcctcgc	tgcgawagt	tggggcaacc	tgktgctagt	ctggctggtg	60
gtgacagcga	ggcttccg	ctcgtgctg	gtgagcagcc	ccggcgtgcc	ccgcgggctg	120
gaagaggcgg	cggcgtgatg	cggcccc				147

<210> 14492
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 14492
 gggccggaag agaggttgct tagcagcgtg tgtttctncc ttgcctctgc ggcgggcgag 60
 gcctggcgat gcccaagaac gcagtgggtca tcctgcgcta tggggccctac agcgcggcag 120
 gcctamcggg ggagcaccac accttccgcc tgcagggcct gcaagc 166

<210> 14493
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 14493
 aagattcyta gagcggacag ggcgatggca ggttcgccgg gtgtgaggct tcacagcggg 60
 ccggtgacca agtcgagatg gtgagaacaa gaccaagatt ggaaagccag cttcagagga 120
 g 121

<210> 14494
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 14494
 aagattcyta gagcggacag ggcgatggca ggttcgccgg gtgtgaggct tcacagcggg 60
 ccggtgacca agtcgaggat ttttctggtg gtctagtctc agagattaca tctgtagtca 120
 gcacaatgat tcct 135

<210> 14495
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 14495
 gcgagtgtgg gaattcggcg tcgcgggagc tctctgatcc actcaggggt cagggcatca 60
 ctggtcterc gtgcgcgtga ccaggccccg tttccgggtgc caggaccttt ccgaagcgtc 120
 gagtggccta acggtcacag ctgtcgccca tcggagaggc aggactactg cgagcagttt 180
 taccgcgacc tccggaggcc ggcgtgacag gctctgtcac taaaatagga gtagaggttt 240
 accactctta ggtgactaag cagtatcaca aataaaccct ccagcaagtt taaaaataat 300
 taggtccaac cc 312

<210> 14496
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 14496
 gcgagtgtgg gaattcggcg tcgcgggagc tctctgatcc actcaggggt cagggcatca 60
 ctggtcterc gtgcgcgtga ccaggccccg tttccgggtgc caggaccttt ccgaagcgtc 120
 gagtggccta acggtcacag ctgtcgccca tcggagaggc aggactactg cgagcagttt 180
 taccgcgacc tccggaggcc ggcgtgacag gctctgtcac taaaatagga accgaaatat 240
 tgtatctgac gcatacctgta atactgaaga gcaactgaag acagttgatg atgtccttat 300

tcattgccag gttatatatg atgctctgca aaacctggat aagaagattg atgtgattcg	360
tagaaagggt tcaaaaatcc aacgtttcca tgcgagatcc ctgtggacaa atcataagck	420
ntatggatat aaaaagcatt cttaccggct tggtaaaaag cttaaactcc agaaaatgaa	480
gaaaaatgag gtttacgaga cattct	506

<210> 14497

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14497

gatctttgca gcaatttgat gaattgggtg ttctcgttat ccccagggtga caggcaactg	60
aggcccagaa gaagggttgg aatatgttaa tgagttaaga catagcgcca gggttcatgt	120
gggtgagggt ctgacaccag acagatgaag ggtcgtcggc tacagtgact tgagtacc	178

<210> 14498

<211> 139

<212> DNA

<213> Homo sapiens

<400> 14498

gctctggatc cgctgggttc gtaacaacat cccgttggct tccctcaggc ggcgggacca	60
gtgcagcgcc gctcccagg atcgtccgcc ggtcagggcc cttgccctcc ccggcacagg	120
ccaccatggc caccaacct	139

<210> 14499

<211> 427

<212> DNA

<213> Homo sapiens

<400> 14499

gtcacaggga cagaccracg tgtaaacaca aagggagaac acgggagcat cctgcaccgt	60
gcatttcagc cacagatcac atggcccctc cgcgggccca gccacgccc tgaccgccc	120
gcctggccag gtctcogtat ctctctgccc cgccgcccct tcccaactgc ggacatgctg	180
ggatggatccg gatcgcatgg aagacgcagc ctggccgcgc tctcccaaact cgctaccag	240
aggaatgacg atgatgaaga ggaggcagcc cggaacggc gccgcgagcc cgacagggaac	300
ggctgcggca gaagcaggag gaagaatcct tgggacaggt gaccgaccag gtggagggtga	360
atgcccagaa cagtgtgcct gacgaggagg ccaagacaac caccacaaac actcaagtgg	420
aagggga	427

<210> 14500

<211> 481

<212> DNA

<213> Homo sapiens

<400> 14500

gatagcgaga caccacagca cgacgaggtt gtcattggtgc cgcggggccc tgctcgcgca	60
tgcgccacct gaccacagc ccggtcgtgg agctgcgacc ccggccctag ggcagtcag	120
atgaaaagag taygaatctg cctccagctg aataaaccat ggagaggaaa aaccatcca	180
gagagagccc cagaagactc tctgcccagg taggcaaagg cacagagatg aagaaagtgg	240
ctcgtcagct tgggatggct gctgctgagt cagacaagga ctctggcttt tcagatggga	300
gctcgttctg agctctgcag agcarwggag tccgaggaca tgctgagcgc cttaggctgg	360
agcagagaag acaggccgag gcagaactcc aaaactgcaa agaatgcctt cctaccctgt	420
ctcccatggt cgtcatgaag aatgtgcttg tcaaacaggg cagcagctca tcccagctcc	480

a

481

<210> 14501

<211> 252

<212> DNA

<213> Homo sapiens

<400> 14501

agtagagaaa	aggggctct	ggtgaccgcc	cctacctggc	atccctctaa	cccaggagga	60
gcgtggggaa	aggggctgtg	ggcctctcgg	ggagcgagct	gcgggtagcg	gcgcactkcg	120
tacaggcgcg	cgcttggtg	tcgcctctgc	cgctgtgttt	gggaggactc	gaactggcgc	180
caggaaatat	taggaagctg	tgattttcaa	agctaattat	gaaaacattt	atcattggaa	240
tcagtgggtg	ga					252

<210> 14502

<211> 146

<212> DNA

<213> Homo sapiens

<400> 14502

gtttgtttcc	atctctaacg	gggtgcgttc	gctacaggg	cctcttgga	catatttgtt	60
tatttgacaa	gaggtgaaaa	tatgttatcc	ttagcagata	tgcaagtccc	ctttgtatgc	120
ctcgtgagat	ccttggcgtg	tgcccc				146

<210> 14503

<211> 519

<212> DNA

<213> Homo sapiens

<400> 14503

gggggggtcag	gacccctcac	aggtaggcgc	agtcagctgg	agcgtcgcgg	cgcccgccgg	60
tcgtggaggg	cggtgcctgc	ggcgcgatgg	ccgtagtgtt	gccggcggtt	gtgggrgsagc	120
tcctgagcga	gatggcgcg	gcggtgcagg	agagcgcgcg	aagtacggga	ccgagttcct	180
gatgaatatc	tgttatcgct	gaagtttctc	tttggtctcat	cagccaccca	ggccttgga	240
ctagttgatc	gacagtcct	caccttaac	tcctcaccca	gtggaaggcg	tgtttaccag	300
gtccttgga	gttccagtaa	aacatacaca	tgnttggtct	cttggtcatta	ctgttcattg	360
cctgcatttg	cattctcagt	gctacggaag	agtgacagca	tcctgtgcaa	gcattctctg	420
gcmstktacc	tgagtcaggt	tatgaggrcc	tgtcagcagc	taagtgtctc	tgacaagcag	480
ttgactgaca	tattattgat	ggagaagaaa	caagaagcr			519

<210> 14504

<211> 356

<212> DNA

<213> Homo sapiens

<400> 14504

agttggggct	gcngtcagck	gatttactgc	agtggcgggc	gcggcgccac	cggcaccttg	60
cagtatact	ggggagacgg	cggtgtata	gcgcttgccg	ccccacggat	tatcccagca	120
ggatctacgc	accccgcatc	ctccgtagtt	ccgcccatac	cttgctctcc	ttggctgggg	180
cgcccaccgg	cggtctgata	ggctacatcg	cggcatagag	tgaagctgts	acaggtttga	240
aaacacaaac	acaatggcag	gaaacagcct	tggtctaccc	attgttcttt	ggggctcgaaa	300
agcgcccaca	cattgcatct	cagcggtact	tttaacagat	gatggggcca	cgatcg	356

<210> 14505

<211> 375
 <212> DNA
 <213> Homo sapiens

<400> 14505
 tgatattagt cttatgttat cttccattct atttttatct gctttttgct gctagtttca 60
 aactgccagt atttttcctt ttgcttttaa aatagttaca atatttttca tgatagccac 120
 agtattgccca cagtttatta taataaaggg tttttatttg atttagcgca ttcaaagctt 180
 ttttctatca cttttgtgtt cagaatataa cctttgtgtg cgtgtatgtt gtgtgtgtgc 240
 atgtgtggcg tatatgtgtg ttacaggtta atgccttctt ggaattgtgt taatgttctc 300
 ttggtttatt atgccatcag aatggtaaat gagaacacta caactgtagt cagctcacia 360
 tttttaata aagga 375

<210> 14506
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 14506
 ccccttcggc tccgagctga ccctgatcag ggccgagttg tctcggcggc gctgccgagg 60
 cctccaccca ggacagtccc cctccccggg cctctctcct cttgcctacg agtccccctc 120
 cctcgtaggc ctctcggatc tgatatcgtg gggtagggtg agcaggcccg gggaggggtg 180
 ttaccgctga ggagctgcag tctctntcaa gatgatagag gtactgacaa caactgactc 240
 tcagaaactg ctacaccagc tgaatgcctt gttggaacag gagtctagat gtcagcnaaa 300
 ggtctgtggt tt 312

<210> 14507
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 14507
 actctgacag tctgtctttt aagatcattt taaccactga catttaaagt gattaatgat 60
 agctttgaat taatatctac tgtatttgtt actattttct actttttgcc ttttctcttt 120
 gttcctgtct ttgtcttctc gtttttctgc cttttgtggt tttaattgag ccattttatat 180
 aatctcattt tctgtttttt tcttagcata tcagttacac ttcttttttt actttttctt 240
 ttcttttttt tt 252

<210> 14508
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 14508
 tataatknaa atatacaatg ctcaacattt aaattctata tggccaattg attcttacag 60
 aatgcctttt tgatttttgt ccaactcttg catctgtagt caacctgtgg tcgcaattga 120
 cagaagagtt taattctttc tttgtgctcg gatcctgggt ccttcattgt acagtgatca 180
 tcaaatgcaa catccttcat gaaaatgaat agcttcactt tttggcattt ccttcctttt 240
 tatgtgtcat agaatacact acattattct tgattttaca gttaatttgt aaattgtttc 300
 taaccccca 309

<210> 14509
 <211> 114
 <212> DNA

<213> Homo sapiens

<400> 14509

cttcctagat atattgtata cagttgacct atctaaaagc aattcctttt attgcttgta 60
tcacctaacc ctacatacac ataactaaat tttttttttc ttcttcttct ttgt 114

<210> 14510

<211> 236

<212> DNA

<213> Homo sapiens

<400> 14510

aacaattccg agaaagagac ggagagagag ggaagaaaaa gacagataga tactgggggg 60
aaggagaaaa aaggagaaga gagggaagag aggacagcgg agagagagca ccagagagag 120
agggagagag agagagagcg ctagagagag ggagcgagca tgtgcatga gcaatagctg 180
tggaccttac agttgctgct aactgccctg gtgtgtgtga gggagagaga gggagg 236

<210> 14511

<211> 352

<212> DNA

<213> Homo sapiens

<400> 14511

acagtttcat cagatgtgac aaatttatcc acagaataga ttcctagagg tggaaatgct 60
ggtgtatcct attcctagtgt gtgtaggata gtctagtaat gaatagattg aagaaggaat 120
atttgacatc caagggatga actactttac ttgaagccgt tactcctttc agaagagtat 180
tgaaattgtt tctctgaaaag tgtatgtgaa gcttaagtcc ctacaaccta ttaactgtgt 240
gacactcggc aaatccctta cactctttta gtctcaattg ccccatctat ccagtggagac 300
tnataactgt acgtatttca tamagggtag tgagttaaat gtcactcccc cg 352

<210> 14512

<211> 350

<212> DNA

<213> Homo sapiens

<400> 14512

agtgttaaag tcatataata agtacttatg gagtaagtaa atgtgtaaga cacaagagat 60
aacagatgaa taagctaagt ttgtatcctc aagaagttta aagagtgaag ggagtgaaga 120
acttagtaag acaaatgatga atgttttagaa cagtgcctgg cacttagtga tgtagaaat 180
gaaccttgaa gggtggcaaa gattttgata gacagttttc ttttgattgt gacctactga 240
gaggtcagta taggcagaaa gcacagggca cacagagaag acaagttgaa aggtataggg 300
ctttggtggc accatgggaa tgggatatgt tgaagacata gtattatagg 350

<210> 14513

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14513

tgattgtgac atagattata ctactactaa tttttggatg tttcaaaagg tcaagaagta 60
aaagatgtta gaaagcaatg agtgagtcct ttgtattttt aacttattcc ccatgtccct 120
atacttcgtg tgcttttcct tttttttttg agacggaggc tcaactccgtc acctaggc 178

<210> 14514

<211> 92
 <212> DNA
 <213> Homo sapiens

<400> 14514
 aaaaaaagaa acatacatcc ttccagtatag gagatgaggg aatgagagaa aatatttttt 60
 gaagaagcat ttctgtaaaa ttagaaatta ct 92

<210> 14515
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 14515
 atccacgtaa tatggatgca cctttaccta actattcccc tggtactatt ctttaggttg 60
 cttctagttt ttctacaact ataaataaca tttttgtnc tgtgtctttt tcttcttttt 120
 gtttttccct tctacagcct gttttgcaaa tgaagacaga cctaagctaa tgaaaatgaa 180
 tctttttcag gggttacatc tcagatcttt ggactctcgt gctgatgccc tttccattat 240
 accataatgc ttgttttctg taaagactac atggattgaa aacactatgt atcagctgtc 300
 tttagccatt gttggaacaa ggcaaggtag acataaaatg taaataattc aagttaaaaa 360
 ttatctaacc cgtctcctac caagttaaca gtttkatttt gtaggtactt agacttarat 420
 cagtaacctt ccagtttctt attgttaatt cctttccctt tctgcataat aattaaagct 480
 gaatgcttag cttgtagatt gttgaggaat tgrtgt 516

<210> 14516
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 14516
 actcgcggt ggcggccct gtcaggaggg aacgcagtgc caggtgcctg actcccagag 60
 acgccctgct ggcggacttg gagtctacca cctcccacat ctccaaacgg cctgtgttct 120
 tgtcggaaga gacc 135

<210> 14517
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 14517
 aaaaaggtgg ttcatcaca ttagggccag caaggactac acagctaatt tagacaccaa 60
 gaccttcaga gctctgatgt ggagacaagc caagggtacc aaatggtaaa gc 112

<210> 14518
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 14518
 tggtacattc caaatactga agtatttggg aattactgtt ccttgactga accaagcagt 60
 gattttcttt tcttttcttt tctttttttt t 91

<210> 14519
 <211> 100

<212> DNA

<213> Homo sapiens

<400> 14519

ccagaccctg ctcacattcc ctctgctggt ctgtgctggt ctcagaaggy caccgcgccc	60
gcattccact cagccagggt ccagctgcct gcccccgcca	100

<210> 14520

<211> 216

<212> DNA

<213> Homo sapiens

<400> 14520

aatgttgccc atatatactt actaaggaca tgcgttccat ttttctcctt ttttaaaaaa	60
actttttccc ctaacagttt tcctttaaac cttgttttgt atagattttc tgctgctagt	120
tattgtgaca ttggactggt tcccataagg aactcgatca ttaccogtta ggnacctctt	180
tttaaaaata cttttaaatt tatttatatt ctgctg	216

<210> 14521

<211> 456

<212> DNA

<213> Homo sapiens

<400> 14521

gcgctccgga agtgaagcgn ccagaccacc agctaattga tgcggaggga gggcccgtg	60
accgctctcc gcgcctggag cagcttggtt tggctggagc taagagccag acacaccact	120
gtgtggaggt ggggtgatgtc ttcctgtgct aaaaggtgaa taaataagct cctcacctct	180
cgcggaacac tcgggaacac atcaacaggg gtccaagccg ccctgctggg aggcttctct	240
tcaagagttc tgggtcccag agtggaaggc attttcccat caactggaga gagacgaaac	300
atcagagacc aggaggtgtg ggagaaagca gctgtcccag gtgcctcaac tatcagagaa	360
gggtcagcgt cacgtggctg ccagcatctt tgagaaaatc actggcaatc ggacttcaga	420
gctgcgggca caggtgtggt tagaactgag atacga	456

<210> 14522

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14522

agtccctcta ctcagagcag cccggagacc gctgcgcgcg ctgccgctgc taccaccgct	60
gccacctgag gagaccgcc gcccccccggt cgccgcctcc tgcgagtcct tcttagcacc	120
tggcgtttca tgcacattgc cactgccatt attattatca ttccaatata aggaaaataa	180
aagaagatac c	191

<210> 14523

<211> 260

<212> DNA

<213> Homo sapiens

<400> 14523

agttttcactt ttagctctgg gcacctccag ctctgctcg ccggacggct cccagggaga	60
gcagacgcgc cagacgcgcc accctcggg cgccgacggc cacggagcat ggggtcggcc	120
tttgagcggg tagtccggag agtgggtccag gagctggacc atggtgggga gttcatccct	180
gtgaccagcc tgcagagctc cactggcttc cagccctact gcctggtggt taggaagccc	240

tcaagctcat ggttctggaa

260

<210> 14524

<211> 134

<212> DNA

<213> Homo sapiens

<400> 14524

catttttagct gtcaccagta tagttgatca agaaagttct aagccataat tttagtagtt	60
taaagtatat atgtgtacat atatatTTTT tttcattgaa aacagaaggg aagacacttt	120
acacataatc ttaa	134

<210> 14525

<211> 213

<212> DNA

<213> Homo sapiens

<400> 14525

agaaaagaaa ggaccagtct tcactttctg cattatcccc acattttatt cattcatcca	60
gattacttct tcagtgcctc aggagtattc ttctacacca gctgctgtta aaatgtacaa	120
atgaactcta gtcccaagga atacagaagt gctcttatta ccagttttcc cacttggtggc	180
cgcctttgca aagatccata ttctaattta agt	213

<210> 14526

<211> 91

<212> DNA

<213> Homo sapiens

<400> 14526

tctgtgacca gtgctggctg caggcggtgc agtttttggg gcgtctcgtt gatttgctga	60
gcatatttat catatgtaat gggtccccgc c	91

<210> 14527

<211> 155

<212> DNA

<213> Homo sapiens

<400> 14527

tktttcgcgt gggggagggg gcacgtctcg gcgagtcacg atgatggcgg ccaccatcct	60
gtggtagact agcggattcc ctgcttgtct cgcgcacccc ytcgcgcctt ctgcagactc	120
cgtggctggc gtcggcgcg tgaggaagca cggcg	155

<210> 14528

<211> 95

<212> DNA

<213> Homo sapiens

<400> 14528

ttcaccatct gagagcactt tagagaaaaa ttggctgact cttatttttaa aaagcctatt	60
ttcacataat tataatggtg actaattttt ttttt	95

<210> 14529

<211> 189

<212> DNA

<213> Homo sapiens

<400> 14529

ctctattctt	ttaacctatc	tctgtcttta	tatttaaagt	atgtttcttg	tagacagcat	60
gtcgatagct	cttgcccttt	tatacaaaact	gtcaatatct	gccctttaat	tagtatattt	120
aatccatttt	cacttartat	aattagcaat	attttatatt	tcattccacc	atcttgctaa	180
ttgtttccc						189

<210> 14530

<211> 229

<212> DNA

<213> Homo sapiens

<400> 14530

agctctccag	ttatttggtg	gggaggacca	tcttggttc	atagccagct	aagaataaag	60
aagttagact	gggaaaaatg	atatttagga	agagtttta	aacttattca	ctctaccatt	120
cttctaagta	ttctgaacnt	tcttctgggt	acaaccaggt	tggtagggag	ctgattactt	180
gggtgtcata	gtagcctctg	tctctgaata	ataataatac	ggggcatta		229

<210> 14531

<211> 414

<212> DNA

<213> Homo sapiens

<400> 14531

cttctccgc	ctccctcggc	cttagccatg	gcgagtagcg	gcggtgctgg	ggcggcggcg	60
gcggccgnn	cggcgaatct	gaatgcgggtg	cgggagacca	tggacgttct	gcttgagatt	120
tcaagaattt	tgaatactgg	cttagatatg	gaaactctgt	ctatttggtg	acggctttgt	180
gaacaaggaa	ttaaccacga	agctttatca	tcggttatta	aggagcttcg	caaggctact	240
gaagcactga	aggctgctga	aaatatgaca	agctgacttt	ctggagaaat	tctgatgaga	300
tatgtcaagc	tctgcaagag	ggtttgaaga	ttgcattgta	gttgagaatg	tacaatgaaa	360
ttactgcatg	cagcagtgtg	gaaaaatttt	acttttttaa	agaattataa	aacc	414

<210> 14532

<211> 317

<212> DNA

<213> Homo sapiens

<400> 14532

atattcccgg	gcttctttct	cctctgggta	ccagctcctt	actgccctgc	agacaagcgt	60
gccgtgcgtg	cttgtggcca	aggggaaggaa	gaggtcccag	gatctgtggt	cacagacatc	120
tgggggaaga	aaaggagcag	gaaactaccc	cgcacagagt	taagcaggaa	acaacaacaa	180
catcatgcaa	aaaccctgca	aagaaaacga	aggaaagcca	aagtgcagcg	tgccaaagag	240
ggaggaaaaa	cgcccgtatg	gagaatttga	acgnagcaa	acagaaggga	attttagaca	300
gaggctgctt	cagtctc					317

<210> 14533

<211> 217

<212> DNA

<213> Homo sapiens

<400> 14533

atattcccgg	gcttctttct	cctctgggta	ccagckvmtt	actgccctgc	agacaagcgt	60
gccgtgcgtg	cttgtggcca	aggggaaggaa	gaggtcccag	gatctgtggt	cacagacatc	120

004220 6667560

tgggggaaga aaaggagcag gaaactaccc cgcacagagt taagcaggaa acaacaacaa 180
catcatgcra aaacctgtg cggggtagtt tccagct 217

<210> 14534
<211> 118
<212> DNA
<213> Homo sapiens

<400> 14534
gtcctacggk agcgtgctgg ctcaccgacc gcattgcgct tggttttctc acccagtgca 60
tgtggcagga gcggtgagat cactgcctca cggcgatcct ggactgacgg tcacgact 118

<210> 14535
<211> 112
<212> DNA
<213> Homo sapiens

<400> 14535
gatctaagat ggcgactgtc gaaccggtga gtattgcctt tggccccac cccacgggt 60
ccccgcgtc cgttttctt ctgactggg gactccgcg gacggcgttc cc 112

<210> 14536
<211> 152
<212> DNA
<213> Homo sapiens

<400> 14536
attctccagt ggcggcgggc gggaaggcgg aggcagaggc agcagcagcc gcgctggctg 60
caatgaatga tccccagct tggggggagg actccaggtg agcctctgcc ctcgaggaggc 120
ccgggacccc cggccgccc cgaccggcaa cc 152

<210> 14537
<211> 258
<212> DNA
<213> Homo sapiens

<400> 14537
gcttccgctc gggcgggggc tgggctccc gggtaggtcc ggggctgctg ctgcgtccga 60
ccccggccg gcgcgggtat ggagcttggg ggctactggg acatgaactc ggccccgagg 120
ctggtctcgg gagaccgag agcgraaaca ggagcagaag acaggaaccg aggcggaggc 180
tgccgactcc ggtgccgtcg gagcccgcg ctctctgctc tgtctctact tgggtgggctt 240
cttgatttg tttggtgt 258

<210> 14538
<211> 339
<212> DNA
<213> Homo sapiens

<400> 14538
actcactgag agctccaggt agtgagcagt tcagtcgatt tcctcgttac cccgcccccc 60
tttctcttgc cccccaccc ctctcatctg cctggtggag gatgaagcgg ctgcagtggc 120
cccagcctca gcagcgnac cgscgggtggc tgccggtgtg gtggccggaa ctgggcnmg 180
tgaagaagcg gtggtggcg ctgaaggagc ggtagcagcc tcagcctctt tcctgtgtgt 240
tcctttcctc tttagtgcag cgaggnmgtt ttcgcttctg tacatgtgt tgtgtgogtg 300

agtgtgggtg tgtgcggtga ggtttgggtg gcgtttgtg

339

<210> 14539

<211> 411

<212> DNA

<213> Homo sapiens

<400> 14539

acagtgtgts	ctcgtctgag	gggacaggag	gatcaccctc	ttcgtcgctt	cggccagtgt	60
gtcgggctgg	gccctgacaa	gccacctgag	gagaggctcg	gagccgggcc	cggaccccgg	120
cgattgccgc	ccgcttctct	ctagtctcac	gaggggtttc	ccgcctcgca	ccccacctc	180
tggacttgcc	tttccttctc	ttctccgcgt	gtggaggagg	ccagcgctta	ggccgragcg	240
agcctggggg	ccgcccgcgc	tgaagacatc	gcggggaccg	attcaccatg	gagggcgccg	300
gcgsgaaaac	gasragaaaa	agataagttc	tgaacgtcga	aaagaaaagt	ctcgagatgc	360
agccagatct	cggcgaagta	aagaatctga	agttttttat	gagcttgctc	a	411

<210> 14540

<211> 110

<212> DNA

<213> Homo sapiens

<400> 14540

gtgtctgtct	gtgaggcgct	gggtgcacgt	ccccagggct	ctgggctagg	aaggcagcgg	60
cgagggtgct	ccccacgtac	ccctcgcggg	cccagccgag	caacgtgggg		110

<210> 14541

<211> 124

<212> DNA

<213> Homo sapiens

<400> 14541

agtgtgcatg	ttcactgggc	atcttccctt	cgaccccttt	gcccacgtgg	tgacctctgg	60
ggagctgtga	gagtgtgagg	ggcacgttcc	agccgtctgg	actctttctc	tcctactgag	120
acgc						124

<210> 14542

<211> 120

<212> DNA

<213> Homo sapiens

<400> 14542

aattgtgtgg	ctggactcgg	ccgcccctgt	ggtgtgaggg	gcgtgttcgg	gctcttgccg	60
tccccgcacc	cgcaccgcgg	ttactggctt	gcggtcgcgc	gttcgacaac	cagcccttgg	120

<210> 14543

<211> 228

<212> DNA

<213> Homo sapiens

<400> 14543

agtacgcggg	gaagcgggga	cccgtgtgca	ctgcgcctcc	cgctgccgac	gccgcctgga	60
cggccgcact	ctccctgccc	gagaccgcac	tctccagaaa	gagcaacagt	aatggagtac	120
atgagcactg	gaagtgacaa	taaagaagag	attgatattat	taattaaaca	tttaaagtgt	180
tctgatgtaa	tagacattat	ggaaaatctt	tatgcaagtg	aagagcca		228

<210> 14544
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 14544
 gtctggcctg cgcttgccgc ggtctccgcc gcctgggctc ctagggactg tggcctcggc 60
 ggtatgtccc ttgctttccc ttgaagcggg agaagaccgc gcagaggcgc tctgtccgct 120
 gcagc 125

<210> 14545
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 14545
 tgggccagta gccgagccgc ggtgacgaac cggtccgcgc gttgcggtgt ttgcggttgc 60
 tgtgatggcg atgtgagggg gcccggggcg ggatggtgct gaccggggtc gggccgtctt 120
 cttgcagctg gacaacgagc tcctccgttc gacaggcggg ggaagaggnc gagccggggc 180
 agaggtaacc cccttactgt cccctctggc tccccggct cccgacaccc acgaccctc 240
 cctccgt 247

<210> 14546
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 14546
 gtcattgggtc aaaaacgcga cgscggaggc cctttgctct caccgggggtc gagccgcggc 60
 gaggaacgg atcgagagac ctgcgcctgc tcagaaggta gcgcaggngg gaaaggcggg 120
 ag 122

<210> 14547
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 14547
 acagcctccg ccgcagccgc ctgagagcgg caggaggag cagtcgggtc ctgcgccccg 60
 gcggggcact ttcccgggac cgctcgtctt ccttggggcg agattttcca ctgcgcccc 120
 ccgagtaccc gggttccaaa cccctag 147

<210> 14548
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 14548
 aaagtccggg gccagcagcc gtctaccggg tgtcgcgttc tgtgttggtg cggccctgga 60
 tccggcgta gggcgaccgg gcggacgagg tggagccaga gtctgtcagg cgggttggtg 120
 aaggg 125

<210> 14549

<211> 109
 <212> DNA
 <213> Homo sapiens

<400> 14549
 cttctttaac tgtctcctgt ttttcttctt ctctctgaaa tgcattgctac ttggatgttt 60
 ggctcttag attgatctcc atcaccctcc cctgtgcccg tcccgcccc 109

<210> 14550
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 14550
 gttagaaact acttgaattg caaaaagata ttttattagt catcagagtc attgcacttt 60
 ctcaaaaaca acctcaacat tcaaataaac ctttgccagt caccctggag gttttgcata 120
 gacaatgcat cattataaga tttgaaatga gggtaagta aatatttctt ttgtaagggtg 180
 ggaaaaggat ctcttatgaa agcag 205

<210> 14551
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 14551
 tgaattttgt ggggaggcac aattcaaccc ctaacacacc ctgtttttca ggtggagacc 60
 ttcagttatg tagtgatcata gttctgccct gcagattttt tctgccctgc aggttttttc 120
 tkscctgcag tgtaanttay cacttgaata atca 154

<210> 14552
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 14552
 cttttatccg aatgtcggcc ctgcggtcag cgcgtccctg gtcggagaca ccgaggggtgt 60
 gaccrwtgct ctggcagtgc tgcaggacga ggcgnrgaat attgccaatt ccgacgtgtg 120
 gagtgtctgaa caatganncg gaagactgga gcgtgactgt gatccccggt gcgaagggtgt 180
 tggmagtgac agtgargtgg aagagaggtc tggactggtg ttcttccaat gagacagatt 240
 ctttctcaga gtccccctgt atctctcaga cccttctggt ttcagcatcc ccctgtatcc 300
 tccagaccct tctggtttca gcatcacata at 332

<210> 14553
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 14553
 agaggggact gggcgccggc ggggmaggag gagcgctagg tccgtgtacg accgagatta 60
 ggggtgcgtgc cagctccggg aggccgcggt gaggggcccgg gcccaagctg ccgacccgag 120
 ccgacgtctca gggtcgccag cgcctcagct ctgtggagga gcagcagtag tcgg 174

<210> 14554
 <211> 312

<212> DNA
<213> Homo sapiens

<400> 14554
agacgacgga gscggccaag ctggaggaac gggaccgagg gatcgaccga ggctggctgg 60
ctaggggtgg gactggcaga gctacggaca ggtgggagca gtcagacrgc ctgakgagar 120
ggagaccaga acgcaaagag agcgagagca ttaagtaggc agggagaggc nnacagaaaag 180
atagacagca aactcgcgt gctccctccc tccacacgcc ctctctttac cgagcgaagg 240
nccaggggca cagaagwrgg agaaggactg tggcacagaa gaccggmaga gggacrstgc 300
attgctggtg gg 312

<210> 14555
<211> 466
<212> DNA
<213> Homo sapiens

<400> 14555
cgaaaaattc ttctgcgacg gcgcggacct ggagcttccg cgcggtggct tcaactctcct 60
gtaaaacgct agagcggcga gttgttacct gcgtcctctg acctgagagc gaaggggaaa 120
gcggcgagat gactgaccgc tacaccatcc atagccagct ggagcacctg cagtccaagt 180
acatcggcac gggccacgcc gacaccacca agtgggagtg gctggtgaac caacaccgcg 240
actcgtactg ctctacatg ggccacttcg accttctcaa ctacttcgcc attgcggaga 300
atgagagcaa agcgcgagtc cgcttcaact tgatggaaaa gatgcttcag ccttgtggac 360
cgccagccga caagcccag gagaaactgag actctgcctt accaccgcag tgcggggcac 420
tctcccagcg tttctccggt ttgccaatcc tcttaagnnt tcctgt 466

<210> 14556
<211> 305
<212> DNA
<213> Homo sapiens

<400> 14556
cgaaaaattc ttctgcgacg gcgcggacct ggagcttccg cgcggtggct tcaactctcct 60
gtaaaacgct agagcggcga gttgttacct gcgtcctctg acctgagagc gaaggggaaa 120
gcggcgagat gactgaccgc tacaccatct ccctcgtgga aaaaaagagg gaacaccagc 180
agccttgat aagctagata aaatcttctg gctttccgca gccagggag aaacagaaaa 240
cggcagccct aatttaaaga aaccgggtgc aagctttcag gtacaccccc cagtagagtt 300
gcaag 305

<210> 14557
<211> 183
<212> DNA
<213> Homo sapiens

<400> 14557
aaagtggcgg tgccggggccc ggggagtagg aaggagccgg ggctgtagcc ggagtggagc 60
ggctgccagc cgaggagcag gcgcggccgc ggcgccatat tgccggccctc agcggccgcg 120
accgagtcac ggctgagacc tacgacttcc tcttcaaatt cctggtgatt ggcagtgcag 180
gaa 183

<210> 14558
<211> 134
<212> DNA
<213> Homo sapiens

<400> 14558
actccctctc tcttctccac tatggacaga gcctccactg agctgctgcc tgcccgccac 60
ataccagct gacatgggca ccgcaggagc catgcagctg tgctgggtga tcttgggctt 120
cctcctgttc cgag 134

<210> 14559
<211> 316
<212> DNA
<213> Homo sapiens

<400> 14559
agactcgatt cccctcttct ctcctcctca agggaaagct gcccaattct agctgccctg 60
ccatcccctt taaagggcga cttgctcage gccaaaccgc ggctccagcc ctctccagcc 120
tccggctcag ccgscatc agtcgggtcc cgccttgag ctctccaga gggacgcgcc 180
ccgagatgga gagcaaagcc ctgctcggct gactctggcc gtgtggctcc agagtctgac 240
cgcctccgc ggaggggtgg mcgcmgccga ccaaagaaga gattttatcg acatcgaaag 300
taaatttgcc ntaagg 316

<210> 14560
<211> 91
<212> DNA
<213> Homo sapiens

<400> 14560
agtctgcggt gggcagcga ggagtcgtgt cgtgcctgag agcgcagtg gctcctgggc 60
accgcagct ccgccccgc ggctcctgac c 91

<210> 14561
<211> 125
<212> DNA
<213> Homo sapiens

<400> 14561
gggctctgct gggggccccg tgcattcttg ttctcgcgg ccgttgctgc cgttcgccc 60
cgtagtgcc cccggcctmk ggcgctttgt cttcaccgc taccctctgc gactctctac 120
ccccg 125

<210> 14562
<211> 112
<212> DNA
<213> Homo sapiens

<400> 14562
aacagctaac atggcggcgc ctgtgtgtcc tacggcggas agtttcgtac cggtttcttc 60
tctggggtak gggtagcctc gcccggaagc aaggcctctg gaaaccgcgg cc 112

<210> 14563
<211> 225
<212> DNA
<213> Homo sapiens

<400> 14563
agcgtagtgr aggaggcgcg gttgtgagta gtaccgggag tgggggtgatc ccgggctagg 60

ggagcgcggc ggccgcgac gggcttagtc ggagctccga aggagtgact aggacacccg 120
 ggtgggctac ttttcttccg gtgcttttgc ttttttttc ctttgggctc gggctgagtg 180
 tcgcccactg agcaaaagatt ccctcgtaaa acccagagcg accct 225

<210> 14564
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 14564
 ccggccagcg cgccascacg cctgcccttc mwcgccacg ggtgctctg gtctcgtcgg 60
 tccccctctc cgcccygtcg tctgactct ctctccctcc tttctcaga ggaatgcgg 120
 cttccagatc aacctcaacc c 141

<210> 14565
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 14565
 agcgcgtgag tntcgtctctg ttttatgtgt gcttcccagt cctgtggtgc tgctataccg 60
 gggacgttga gtccccacag acctggaaat tgccggccmw ctttctcaac ccagagcaaa 120
 ttgagacgtc cgggtgagag tccgtgagtc cttcagatt taaagtggcc ctgaggcagg 180
 tcccgtctc ggtctttctg cagtggggtc gtgcagacac ctctatcgc ggaattttcc 240
 ttctcaaaac cc 252

<210> 14566
 <211> 633
 <212> DNA
 <213> Homo sapiens

<400> 14566
 caccaaaagg acctagtctt gtagaagaca ttaaagcaaa aatgcaagca agtatagaaa 60
 aaggtggttc tcttccaaa gtggaagcca rattcatcaa ttatgtgaag aattgcttcc 120
 ggatgactga ccamraggct attcaagatc tctggcagtg gaggaagtct ctttaagaaa 180
 atagttttaa caatttgta aaaaattttc cgtcttattt catttctgta acagttgata 240
 tctggctgtc cttttataa tgcagagtga gactttccct accgtgtttg ataaatgttg 300
 tccaggttct attgccaaga atgtgtgtgc caaaatgcct gtttagtttt taaagatgga 360
 actccacctt ttgcttggtt ttaagtatgt atggaatgtt atgataggac atagtagtag 420
 cgggtggtcag acatggaaat ggtggggaga caaaaatata catgtgaaat aaaactcagt 480
 attttaataa agtagcacgg tttctattga cttatttaac tgctttatac tttgtcaaag 540
 aaataattaa tgtagttagg aatggcaaat agtcttgtaa aattctatga gaatgtccct 600
 gccctccctt tcaatattct ctctggagct aac 633

<210> 14567
 <211> 603
 <212> DNA
 <213> Homo sapiens

<400> 14567
 tttctttatg aggcaaattt atatttttta atatcgggg gtggaccacg ccgccctcca 60
 tccgtgctgc atgaaaaaca ttccacgtgc ccctgtcgc gcgtctccca tctgatccc 120
 agaccatkc cctaagcnat ttatcccttt cctggtttcc gaaaggcaat tatactatt 180
 atgtataagt aaatatatta tatatggatg tgtgtgtgtg cgtgcgcgtg agtgtgtgag 240

cgtttctgca	gcctcggcct	aggtcacgtt	ggccctcaaa	gcgagccgtt	gaattggaaa	300
ctgcttctag	aaactctggc	tcagcctgtc	tcgggctgac	ccttttctga	tcgtctcggc	360
ccctctgatt	gttcccgatg	gtctctctcc	ctctgtcttt	tctcctccgc	ctgtgtccat	420
ctgaccgttt	tcacttgtct	cctttctgac	tgtccctgcc	aatgctccag	ctgtcgtctg	480
actctgggtt	cgttggggac	atgagatttt	attttttgtg	agtgagacrn	kgggatcgta	540
gatttttaca	atctgwatct	ttgacaattc	tgggtgcgag	tgtgagagtg	tgagcagggc	600
ttg						603

<210> 14568

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14568

agatcaggaa	gccagcngag	agacagggct	acgtttcagg	gagggaaaca	gattcagcag	60
cggcagcagc	tggagaaggt	cgtggagsrg	caccttgcct	gcaggggtgtt	ctgagaatca	120
gccatgtcat	ccctgtaccc	atctctagag	gacctaaaag	tggaccaagc	cattcaggcc	180
caggtcagwg	cntcacccaa	gatgccagcy	ctgccagtcc	aggcaacagc	catttcccca	240
ccaccagttt	tgtaccnwaa	cttggcagaa	ctggaaaatt	atatgggtct	ttccctctcc	300
a						301

<210> 14569

<211> 138

<212> DNA

<213> Homo sapiens

<400> 14569

aacagttttt	ggatgtttca	tttttttcca	attctttgtt	ttcttttgca	ttttaatttg	60
gaaactttct	tttgacctat	tttcgagatc	actggatcac	tggttctttc	ctcagctatg	120
ttgagtctac	tgatgagc					138

<210> 14570

<211> 314

<212> DNA

<213> Homo sapiens

<400> 14570

acactgtcca	gccggctccc	tttttccccc	tccccggggg	ccaagggctc	cggctgctgc	60
ctggcggcca	acgggccagg	taggatttcc	gggagaggcg	ctgtggaggc	tgaggaggcg	120
gcggmggaga	tctggaaaca	gtatctcacc	tccctaaact	ggttaatagt	catggaagat	180
ccatttgagg	aagcagacca	gcccactaca	gagccaggca	tggtcctgga	cagtgtggaa	240
gcaggagaca	caacacctcc	tacccaaaag	aagagcaagt	tctcaggctt	tggcaagatc	300
ttcaagccct	ggaa					314

<210> 14571

<211> 103

<212> DNA

<213> Homo sapiens

<400> 14571

agattggagg	ggcggctgcg	cgaggctgca	gactgggtgca	gcgcactgtg	ctggcggctg	60
ggcctctctc	acctctctcg	ctttctcccc	ggaaccttga	cga		103

<210> 14572

<211> 179
 <212> DNA
 <213> Homo sapiens

<400> 14572
 agtgacgcgk sgctctgcgg agaccaggag tcagactgta ggacgacctc ggggtcccacg 60
 tgtccccggg actcgccggc cggagcctcc ggcttcccgg ggccggggga ccttagcggm 120
 amccayacac agsstacttt ccargcggas catgtctggt aacggcaatg cggctgcaa 179

<210> 14573
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 14573
 catagacaag tccggacctc gggcgggggc aggagacgga gctgagcggc ggggggacgt 60
 gtcgcctcgg tctagggacg gcggcggagt cgggtggtccc tgcgcgatgg ccacctcggg 120
 gttgtgctgc ctgcggtgct gcagagacgg ggggactggc cacatccctc tgaaggagat 180
 gccggccgtg cagctggaca cgcagcacat gggaacagat gttgttattg taaagaatgg 240
 amsaagaata tgtggar 257

<210> 14574
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 14574
 aaccgcggga ctccctggaga aatggtgggc ggtccaaacg gtgagcagca cgctccttac 60
 ttaggtcatg acctctgccg actaaaaagg ctaaactcag cgtggattag ggctatacca 120
 ggtactgrac wcttctagag ta 142

<210> 14575
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 14575
 gcctggggcg cccgtcgtac ctgatggtag gaggcagtag ttccccgctt cccttccgcg 60
 ggcagggaga gttagctagc catccaagaa aacaccatga aagataacga tatcmagagm 120
 cwactgtata cccat 135

<210> 14576
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 14576
 ctccctgggg gcctagtagg acctgtggg cacgttgggg aggagcctac aggcgcctca 60
 gctgcacggg agtgtgtttg catccagcag tttgggcccc cggccggtgg cgtctccacc 120
 tgcacgtgag gctgtgtgat gcttgaggc atctcggtgg ggaggggtggc agc 173

<210> 14577
 <211> 576
 <212> DNA

<213> Homo sapiens

<400> 14577
caagcctgag ctttttgggc ttgttctgat ttggaagggtg aattgagcag gtctgctgct 60
gttggcctct ggagttcatt tagttaaagc acatgtacac tgggtgttga cagagcagct 120
tggcttttca tgtgcccacc tacttaccta ctacctgcga ctttcttttt ccttggtcta 180
gctgactctt catgccccta agattttaag tacgatgggtg aacgttctaa tttcagaacc 240
aattgcgagt catgtagtgt ggtagaatta aaggaggaca cgagcctgct tstgttacct 300
ccaagtggta acaggactga tgcgaaatg tcaccaggtc ctttcagtct tcacagtgga 360
gaactcttgg ccaaagggtt ttggggggag gaggaggaaa ccagctttct ggtaagggtt 420
aacaccagat ggtgcccctc attggtgtcc ttttaaaaaa tatttactgt agtccaataa 480
gatagcagct gtacaaaatg actaaaatag attgtaggat catatggcgt atatcttggt 540
tcactttcaa aatcagagac tgagctntga aantag 576

<210> 14578

<211> 344

<212> DNA

<213> Homo sapiens

<400> 14578
cattgccctt gttctgtcta gattacctgt ttgagccgta agctacttgt gccaaacttg 60
tgttgtaaata agcatccatg gaccagtcgt ggtggcttat gctgttaata tcaacacttg 120
gggaagccaa ggcaggcgga tcacttgagg tcaggagttt gagaccagcc tggccaacgt 180
ggtgaaaccc tgtctctact aaaaatacaa aaaaaaaatt ggctggatgt ggtgggtgcgt 240
gtctgtagtc ccagctactc aggaggtgga gattgtagtg agctgagatt gccgttacac 300
tccagcctga gctacagagt gagactccgt ctcaaaaaaa aaaa 344

<210> 14579

<211> 146

<212> DNA

<213> Homo sapiens

<400> 14579
aagtccctgt ccttaccttc agcaggagcc ggttcctctgt gtgtgtgtcc gctcgccttc 60
tgctccgtcc tgcggctgcc cactgccctc ctacgggtcca ccatgkccct gctgcactcc 120
ggccgcgtcn tccccgggat cgcgcg 146

<210> 14580

<211> 217

<212> DNA

<213> Homo sapiens

<400> 14580
aagtccctgt ccttaccttc agcaggagcc ggttcctctgt gtgtgtgtcc gctcgccttc 60
tgctccgtcc tgcggctgcc cactgccctc ctacgggtcca ccatggccta ccaaggcttt 120
gccagtgggtg atggtgataa ggatgcctgg gctgtgcgcc acttcacga acagggcatt 180
aatgtttgtc tctgccaatc atatgccaag aacatgg 217

<210> 14581

<211> 121

<212> DNA

<213> Homo sapiens

<400> 14581

004220"022400

aaaaacggaa aggttcggaa tttgcctctg cgccactttt tttgcctggt acctgtgacg 60
tccttggaag cagaatctga aactttctga ggagagcatt tgagcttcag atttctaaca 120
g 121

<210> 14582
<211> 148
<212> DNA
<213> Homo sapiens

<400> 14582
tcctcrcccc ctcccgctct tccccgcct ctctgctctc gctcggtcc ctctctagct 60
gaccttccct ttccctcacg cctccccacg cccggccctt ggccccagca ccctgtccgc 120
tgccgcctca gagccgggaa aagcagcc 148

<210> 14583
<211> 106
<212> DNA
<213> Homo sapiens

<400> 14583
acctttgttt tagatatatg tattataaat cttttcttat tctatgacat gtctttcatt 60
ttcttaatag tgttttataa agagtagaag ttttaaaatt ttgatg 106

<210> 14584
<211> 272
<212> DNA
<213> Homo sapiens

<400> 14584
agtttcctcg tgcagcggtg ggcgagagca ctntgaggag cgtgcgcggg ggccccggga 60
gacggcggcg gtggcggcgc ggagagacac agactatgca gatgggagtg aagacaaagt 120
agtagaagta gcagaggagg aagaagtggc tgaggtggaa gaagaagaag ccgatgatga 180
cgaggacgat gaggatggtg atgaggtaga ggaagaggct gaggaaccct acgaagaagc 240
cacagagaga accaccagca ttgccacca ca 272

<210> 14585
<211> 86
<212> DNA
<213> Homo sapiens

<400> 14585
gagaagcggc gtcggcggct ggagcagagg cagcagccgn acgagcagcg gaggcgrtcg 60
ggagcgaatg tgaagatggc ggcggc 86

<210> 14586
<211> 400
<212> DNA
<213> Homo sapiens

<400> 14586
agggagggac agagagcgaa ctgtcagatc ggagcgagag cngcgcgccg agagagggag 60
agagagagag ggagggagag gaaaagttag agagggaaag agagcgcgaa cgagggcgca 120
gagcgagctc ctgtgcaac tctgtccag cacggccagc gccagcgccc gccgtcgggtg 180
cactctacga gccgtgcagc gtgcccactg gagttgttgt gtatcaagga tcgatccct 240

atatgcacac	acacacctcc	acctccacca	atgcactctt	cttcctcctc	cttctccaga	300
caactgctgg	gaaaaaaata	aaacaccaac	cccaaccgtc	agcaacaagg	taasmgagcg	360
attcgacatc	atTTTTTTTT	ctgttcaatt	ttttccttgt			400

<210> 14587

<211> 357

<212> DNA

<213> Homo sapiens

<400> 14587

actgcggctg	cgcaagctcg	acgcgcgcac	tcttgtctgc	ttacgagggc	tcctcccttc	60
agctttgggc	cctcggggcg	tctgggcagc	ctacgctttc	cggataaaaa	tggcagaatr	120
aaargaatta	tgagtggarc	tagagaatag	gaaagacatg	aaccaacgcc	caaaatgaga	180
aagaaggaca	tataaagaaa	aagacaaata	caagtgaaaa	aaatagacta	atggattaac	240
gtccctgtcg	tgtgacattt	tctgggtatga	cagctgaaga	tgttgaaccg	tatgggtcag	300
ttttgcaaatt	agtgtatgaa	gtgggttgta	agttttacca	gtaattgtct	atagata	357

<210> 14588

<211> 538

<212> DNA

<213> Homo sapiens

<400> 14588

actgcggctg	cgcaagctcg	acgcgcgcac	tcttgtctgc	ttacgagggc	tcctcccttc	60
agctttgggc	cctcggggcg	tctgggcagc	ctacgctttc	cggataaaaa	tggcagaatg	120
aaagaattat	gagtgggaact	agagaatagg	aaagacatga	accaacgccc	aaaatgagaa	180
agaaggacat	ataaagaaaa	agacaaatac	aagtgaaaaa	aatagactaa	tggattaacg	240
tccctgtcgt	gtgacatttt	ctgactggaa	tcagccattt	taccaagaaa	gttgggtttc	300
ttttactggc	aaatagtagt	tcaagagcac	agtcttatgt	aagaagtaca	gtckatataa	360
agactgtcca	ggacaaaaac	tggccactcc	attcagcatt	gacagcagta	tttaaagctg	420
gtgcatggtg	aggtgaagtt	tctcaagggc	aaagacaatg	ccttcattgca	tgttcagtgt	480
ctgcccccg	gggctttgaa	atgatcgctg	acaatggggg	atctgcagtg	acttctct	538

<210> 14589

<211> 167

<212> DNA

<213> Homo sapiens

<400> 14589

aataatgccc	cgcggtcccg	cgagctgcca	gtctcgctgc	gagaagcagc	ggcccggggc	60
gactgagcgg	acaaacggaa	gtgtagggtta	cggtctgaga	catcaccgcc	aagctgggct	120
cggggtaaaa	agtggctgcg	gtgtttggca	atgctaattc	aatgccg		167

<210> 14590

<211> 546

<212> DNA

<213> Homo sapiens

<400> 14590

aataatgccc	cgcggtcccg	cgagctgcca	gtctcgctgc	gagaagcagc	ggcccggggc	60
gactgagcgg	acaaacggaa	gtgtagggtta	cggtctgaga	catcaccgcc	aagctgggca	120
tcggggagat	ggccgagact	gaccccaaga	ccgtgcagga	cctcacctcg	gtgggtgcaga	180
cactcctgca	gcagatgcaa	gataaatttc	agaccatgtc	tgaccagatc	attgggagaa	240
ttgatgatat	gagtagtcgc	attgatgatc	tggaaaagaa	tatcgcgga	ctcatgacac	300

aggctggggt	ggaagaactg	gaaagtgaaa	acaagatacc	tgccacgcaa	aagagttgaa	360
ggttgcta	aatattata	ggaatctggc	atTTTTccaa	gccaagagaa	gatcgaatgg	420
ctttttgcag	ctaactacta	tgtgtagaca	ggTTTTtata	tataaagtat	gcattcttat	480
cacctagtat	atagttagtt	tgtagagtga	tttcccccca	gtttcttgaa	catgggtatct	540
tcacat						546

<210> 14591
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 14591						
ctgtgttaga	gaactccaag	gaagtaaaac	tgattaaaat	gttcatgctt	gaatgggtgct	60
gatggaatag	ttcatttgga	ctttctctac	ctcctgcagc	tcaagctgaa	atattaaaat	120
tcagtggatt	taaatctctt	tcctctcagc	tcaggaaaaa	aacattacat	tttaataggt	180
tttaaacc	taattcattg	gtttggagca	gcactattaa	atctatttaa	atattacttg	240
tattactaag	gaaatgattt	aaatgacttt	gcctttacca	tcctatgtgt	ttgagttagt	300
ttaaaaaaag	aaagacaata	cctttgcggt	cccc			335

<210> 14592
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 14592						
actgaaatct	gagcaggacg	gaatctccaa	aacgcataag	ctgctgcgga	ggacttggtc	60
cagcacagtc	aagactgatg	atgtgtggtg	gtcacaaagt	cacacaggac	ctttggccgc	120
tccttgtcca	gcgatccag	ggcggasagg	ctatgacagc	aattaaatcg	cacaaacttt	180
tgaaccgtcc	ttgccctgca	gctgttaagt	cagaggaaatg	cctaactcta	aagtcgcata	240
gactattgac	tcgatcttgt	tctggagatc	cacgatgtga	gcacaacaca	aacttgaagc	300
cccataaact	gttaagcagg	tcttactcta	gtaatctcag	aatggaagaa	ttatatggac	360
tgaraaatca	caaattgctc	agcaagtcct	actccagtgc	cccccaagtca	tccaaaactg	420
agcttttcaa	g					431

<210> 14593
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 14593						
ctttcttctt	tttgggtgca	gcttgctgtg	gtttttgctc	tgggtcctct	gggatggcgc	60
ctggctgtgg	ccgcgtgggc	tctcacgcag	gggcgcggg	cgggggaacg	cgg	113

<210> 14594
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 14594						
gatcggagcc	tsragccggt	gtgtgctggg	tgccgagaag	agacagcgcc	gccggccgtg	60
gggagcggac	gcagtgattt	gtccccctc	gtgcagcaac	ccccacaccc	agcaccaggc	120
ccccagaact	ctccttcag	ctgaactccc	tggaacaag	tcagttgggc	tgatcactga	180
actcacattt	ctggacnwga	ggagcctgtt	cctctcacgc	c		221

0014220" 666E" 560

<210> 14595
<211> 158
<212> DNA
<213> Homo sapiens

<400> 14595	
gctggcttcg gagccttagg cgccgcggcc ttctcttggt ttccgcccag tccacgccgc	60
catggccaag tggggccagg ggaaccccca ctggatcgtg gaggagcggg aggacgggac	120
caacgtgaac aactggcgct ggcgcggctg gcggcggc	158

<210> 14596
<211> 289
<212> DNA
<213> Homo sapiens

<400> 14596	
ctctctcgcg acgcctttca caacatgtat tataactctt tccaccaatt tcaaatagtg	60
cggcttaaaa gatgaaggag agctaaacaa accagaaaga aaagaaagaa aaaatccgca	120
cccaatttctg tatctccagt tggtaaagaa tgtagctgtc cgctattttg gaacgtctcg	180
tatttctgag tctttcacaa tgtgaagtac ttcataaaga cagtaaaatc ctctcaagat	240
cataaagatg cttttgaatc catggtttcc caaaggaggg nwagcgcca	289

<210> 14597
<211> 90
<212> DNA
<213> Homo sapiens

<400> 14597	
gacgggctgt cggccagacc ccgagttctc ggtgcgctca gcggccgccg acgctaggag	60
gccgcgctcc gcccccgcta ccatgaggcc	90

<210> 14598
<211> 146
<212> DNA
<213> Homo sapiens

<400> 14598	
tacctggggc gcgggtccct gccggaaggg gcgtccgcga cgcagctgtt cacgcttagg	60
tgggcgcagg atggcaaaac agaagagaaa gttcctgaag tgacagmgaw aaagmacmra	120
aagctgraga aggcgtmasa sgaggg	146

<210> 14599
<211> 488
<212> DNA
<213> Homo sapiens

<400> 14599	
ataaggctag gggcgggcgc cgctcttttg tttcttgctg cagcaacgcg agtgggagca	60
ccaggatctc gggctcggaa cgagactgca cggattgttt taagaaaatg gcagacaaac	120
cagacatggg ggaaatcgcc agcttcgata aggccaaagct gaagaaaacg gagacgcagg	180
agaagaacac cctgccgacc aaagagacca ttgagcagga gaagcggagt gaaatttcct	240
aagatccttg aggatttcct acccccgtcc tcttcgagac cccagtcgtg atgtggagga	300
agagccacct gcaagatgga cacgagccac aagctgcaact gtgaacctgg gcaactccgcg	360
ccgatgccac cggcctgtgg gtctctgaag ggaccccccc ccaatcggac tgccaaattc	420

tccggtttgc cccgggatat tatagaaaat tatttgtatg aataatgaaa ataaaacaca 480
cctcgtgg 488

<210> 14600
<211> 453
<212> DNA
<213> Homo sapiens

<400> 14600
ataaggctag gggcggggcg cgctcttttg tttcttgctg cagcaacgcg agtgggagca 60
ccaggatctc gggctcggaa cgagactgca cggattgttt taagaaaatg gcagacaaac 120
cagacatggg ggaaatcgcc agcttcgata aggccaagct gaagaaaacg gagacgcagg 180
agaagaacac cctgccgacc aaagagaccc caagcttcct tctaaatccc cacacctcgt 240
gggtgcctcg cccacaccgg gaagcacctc gggtgcgggt gggggttgca gctcccctcc 300
agcgcgcgct tcccgtcttc cacagccatt gagcaggaga agcggagtga aatttcctaa 360
gatcctggag gatttcctac ccccgtsctc ttcgagaccc cagtcgtgat gtggaggaag 420
agccactgca agatggmcac gagcacaagc tgc 453

<210> 14601
<211> 298
<212> DNA
<213> Homo sapiens

<400> 14601
ataaggctag gggcggggcg cgctcttttg tttcttgctg cagcaacgcg agtgrgagca 60
ccaggatctc gggctcggaa cgagacccca tggggtgggt gaagaggagt ggcccagctg 120
agctgaggaa ggtgaccact gagaacccat tcaacctgct gagcaggctg ggcagaaagg 180
agcaggacaa ccaggaactt caagaactta tccagagtgt gaaggacttc ctcaaccagg 240
aggggggctga tcctgatagc accaaacttt gatggcccag cagcagaggg tcaaccag 298

<210> 14602
<211> 173
<212> DNA
<213> Homo sapiens

<400> 14602
agttctggcc gctgtcccgg tgcgcacgga cgtggctcga gtttcctctg ctctccgctc 60
tcgcccgtca gctctcctcc ctcccgctcc tgcctctctc cgggtctccc gctccagctc 120
cagccccamc cggccggtcc cgcacggctc cgggtagcca tggaggacct cac 173

<210> 14603
<211> 51
<212> DNA
<213> Homo sapiens

<400> 14603
acggaggact gcaggggcct gagccgctgc tgcgcgcgcc gccgcccccg c 51

<210> 14604
<211> 336
<212> DNA
<213> Homo sapiens

<400> 14604

acttgggacc cgcgactcgc ggcacgccac tctcccggag gcggtggcta gatggggctg 60
 ggctggcggc tagcacggcc tgtggcgcca cgaccgctgt atttgcattg ttcgcatagg 120
 cagagaaccg tggggcttcg gcagtgggaa tttgagatag gagattggg tcttccgagc 180
 cttcccagtg cgggttcgaa cctcagctgt tttgcgagtg gcgtgatctt aggcaaagct 240
 gacttaacct aagtttcggt cgtgtttcta aaannnctc tgtaaactta tgaggcttat 300
 gcgcgagtac tggttgctgc attaaaagac aaactt 336

<210> 14605
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 14605
 tctccttttc acggcgtctt gcattactat tgtgcggctg caggaggtgt cgagcggcgt 60
 tatttttttt tgcggtttgc cttt 84

<210> 14606
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 14606
 tctccttttc acggcgtctt gcattactat tgtgcggctg caggaggtgt cgagcggcat 60
 gcatgcccc atata 75

<210> 14607
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 14607
 attctgscet cctagcnccc kccctccctc cccctgcttc ctctctcttc ctctctcccc 60
 ttccctcttc ggctccacgg ctccctcggc cgctgcggtt tccaaccccc ccaactccccg 120
 ccagctggtg gcaatacaaa ctaacataaa accagccaaa gccggggcgcg gtggctcaca 180
 cctgtaatcc cagcgctttg ggagaccgag gcggggcggat cacaaggctc ggagttcgag 240
 accagcctgg ccaatatggt gaaac 265

<210> 14608
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 14608
 cattttgttc tgcggtgctg gtatttagag cgcaggngctg acggggccgga tcgccttcgc 60
 cgccgccccg cggggagggc ccgtcaaagg atgcagggga ggaggcggg agggggccac 120
 cagagccagg gtgaacctta tactaaaaaa ttacaagttt tgatctgac ctctctcat 179

<210> 14609
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 14609
 aaaaagagag aggcaagggc aggagtgaag gagagagctg aagcctgggg ctccgagatg 60

gtcagaggat gggagacggg gcagtgaaac aaggcttctt gtatcttcag cagcagcag 119

<210> 14610
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 14610
 actcagcagg ttgggctgcg gcggcggcgg cagctgtgga agctcaggcg ctgcgcgtga 60
 gaggtcccag atacgtctgc ggttccggct ccgccaccct cagcttctct t 111

<210> 14611
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 14611
 gtgggcgcg tcaactgagcc gcgccagctg agccaggtag ggccctaccc tcttctgttg 60
 ctttctccct gtggctcgcg ccgtcccccg ccgcccgtcg acccgccttc catgtccctg 120
 gcggacacag ctcccaggaa cctccacgcc natggccact aggcagaggg aatcctctat 180
 cacctcctgc tgttccacct cgagctgcga cgcagacgac gagggcgtgc gcgg 234

<210> 14612
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 14612
 agaggaaggt gccacatacc tttaaacaac cagatcttgt gcaaactcta tcactagggg 60
 gaggttgcta aaccattaga aaccaccctt gtgatccaat cacctcc 107

<210> 14613
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 14613
 aggaggatgg aggatacttt acttcccatt tgatcccaca tatggatatg atttacttgg 60
 agtataaagg acaaagaaaa agggatatagg cagactatca ggagaggtaa accaatttaa 120
 gctaattgcaa aacgaaaaaa aagacaaatg tttatgtctg atgacataaa attaaaagat 180
 tactagtcca gtcagtttaa tgaagataat ctggtccagt taataaagaa aactgagtat 240
 atgtattgta accatgtctg aagaggcaat cctgaaagca tttttttttt ttctgaagc 299

<210> 14614
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 14614
 ctttgaggac tatcagggtg ttgagctgag cacacatttc tttggtgaag tgtgttattt 60
 gttgttgttg ttgttgttgt tttcttgaaa tggagttttg ctcttggtggc ccagg 115

<210> 14615
 <211> 233

<212> DNA
<213> Homo sapiens

<400> 14615
ttaaattttac tcagtaatat tttgtagttt caatgtacag ttcttgcaca tattttgtta 60
aaattatccc tacttctttc acattttttg atgctattgt atttaaaca tggtatttta 120
tttcaatttc caatcttttg ttattaaaat gtaaaatata attgatattt tatattgacc 180
ttgtatcctg agaccttgct aagcttacta cttctactat ctttttttat agc 233

<210> 14616
<211> 281
<212> DNA
<213> Homo sapiens

<400> 14616
attctggacc tgagttgggt cctgttagtg tcaaggatgg ggtcagaccg agaatgctgg 60
gggaggggtt tccgctggaa aaattgcgct agagatttgg ccaaaaacaa acaagcaaaa 120
atggccttgc ctcaactaat actcggcagt gatgagtgcg ggaaaaacgg gcgaatataa 180
gaatatttaa cagctctgaa ctggttcacg ctggaaccaa ggaaagtatg caaggaggca 240
gggttacttt taaggagtct ggcttcctgt gctgaatccg g 281

<210> 14617
<211> 140
<212> DNA
<213> Homo sapiens

<400> 14617
ttagactatg tagtatgtga cagaattttt ttaaaattat aaaaagattt tatttagtaa 60
ttgggattta cttaaaataa ttttggaata atgctcccag acttgcccag atttgtgtaa 120
ttgtacttat tgccactggc 140

<210> 14618
<211> 420
<212> DNA
<213> Homo sapiens

<400> 14618
aacactcctg gagtgaagag ccgacctgtt tcaactgtcct gactcaccac catcttggtta 60
gtgtgcaaga ctctgggacg gcatgagaaa ggcagaaagg gagcaaagga gctgggtgggg 120
tgtcacaggg cctatgknng argcagakgt gangttctgc atccagtttt gcaatttakc 180
catttacctg cctgagactk ggaaacacct actttatagt cctgattcaa gtgttggcgg 240
atggaaggga ggagactcct gaccctcaga atggtaatgc tgaaattttt tgggtgcgct 300
gttatggcct tttctttgat cttacaatat tgctttctcc tgaaagaata ttaaacataa 360
gttttaggaa acctttggac aattccaaac atatccaaaa atagaataac taccttagca 420

<210> 14619
<211> 59
<212> DNA
<213> Homo sapiens

<400> 14619
ctcttgtttt ccgagtgcgc ggactcatcg ggacacagtt tatgctttta tgacgcgga 59

<210> 14620

<211> 641
 <212> DNA
 <213> Homo sapiens

<400> 14620
 ccaaataatta catrrrrttt catgtaattt atrgacctat taaggcccaa ccattttctt 60
 ggatagggga ttcttttagaa gtccagctta aataaagccc gkatagaaag tttttttaa 120
 atttatacat aatcacctaa agtaasntta tctactgaac tcttagtaca tgctaccgga 180
 accttttatc atgtttcttc ctggcttgca ttacaacact gttgmcatat ctcagcctta 240
 cttctaggct tctttgagag catcactcat gtttgatttc ctcactgagg ttgaatgaat 300
 aagagaaact acagtagtag gaaaaaacag tacatgtaca tatcaatgaa tatgaaaggg 360
 tcaaattgat ctattatagt aagcacaaaa tcaactgaca ccagcaaagt aaaccacaaa 420
 tttttaatgg tattttaata gatcaagagg agcaagcaga tttttgagac agttgtctcc 480
 tactttctct atcacaggga gtaattttta aagaaaaatg gagggtaagt ttctttaaga 540
 gaaaattgta gtttaaaaca ggtcatggga taattagaaa taatttaatt tcttttagagg 600
 attttaatct ttcaactgct tgcaattaga tcctaaggca a 641

<210> 14621
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 14621
 caaggttgca gaagaagact gaagattgac tgccaagcta gtttgggtga agttcactcc 60
 agcaagtctc aggccacaat ggggtggnnt ngyttggtt cctttaactt tctttttggt 120
 atttgctttt ctctccacc tgtgtggtat attttttaag cagaatttta ttttttaaaa 180
 taaaagggtc tttaacaagat gataccttaa ttacactccc 220

<210> 14622
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 14622
 tctccgaggc cgctcagtct tccatttccc cctcctggct tcgtcctccc tcccgaactcc 60
 ctactctccc ctcccctcgc tttcactctc ctatccccac cntscaacc tctcttttca 120
 tccccctccc 130

<210> 14623
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 14623
 agatccagtt ccggacgcgg ccgcccgcgt cgccgccatc tgtcacctcc actccggcat 60
 cagcagccag ccg 73

<210> 14624
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 14624
 gcattttcga ttccactctc ttccgtttct gtcgtgcag tcgtccgcgg gactccggcc 60

0-9

[illegible]

```
<400> 14626
atttcactcg gctcggtcct gaggagaagg actcagccgc ggctgcggga cccgggcacc 60
graggcggtg gcggcgccgt ggccagcatg gtgaaacccc gtttttacta aaaatacaaa 120
aattagctgg gcgtgatggc acatgcctgt aatcccagct actcaggagg ctgaggcatg 180
aqaatcgcaa caagagcgaa attccatctc aaaaaaaaaa aaa 223
```

```
<400> 14627
agtgtgggga acgcggcgga stgtgagccg gcgaactcggg tccctgaggt ctggattctt    60
tctccgctac tgagacacgg cggacacaca caaacacaga accacacagc cagtcgccagg    120
agcccgagtaa tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gagnctagss    180
stgggcagca                                     190
```

<400> 14628
gctgtttggc gactcgtcgc cattcccgga gcaggtcggc ctcggcccag g 51

5611

<400> 14629
 gatctaaaac gagaagagan ctcggggtct catactgcgc cattcggtg cggtacatct 60
 cggcactcta gctgcagccg ggagangcct tgccgccacc gctgtcgccc aagcctccac 120
 tgccgctgcc acctcagcgc cggcctctgc atccccagct ccagctccgc tctgcgcccgc 180
 tgctgccatc gccgctgccca cctccgcagc ccgggcctcc 220

<210> 14630
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 14630
 tttagtcaga aactaggatg gagctaggtg ctgtgactca cacatataat cacagcactt 60
 tggaaggccc aagtgggacg atgacttgag ttcaggagtt gaagaccagc ctacacaatr 120
 tgaaacccat ctttacaag aatacaaaaa attaggcagg cgcacgccta tagtcccaac 180
 tgctcaggas ncttaggtgg gaggatgggc tgagatgatc ctcccactct cattcacttc 240
 tgtcaggcta gactctctct ccttttcatt ggcttgtctt agctattaat aagtctcggc 300
 tgggcgcagt gggtcacacc tgtaatccga gcactttgag 340

<210> 14631
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 14631
 gagaatgagc tcaagctggg tcagagagca gggctgactc tgccagtgcc tgcattcagcc 60
 tcatcgctct cctaggctcc tggcctgctg gactctgggc tgcaggctct tcttgaaagg 120
 ctgtgagtag tgagacaagg agcaggagtg aggggtggca ggagagaaga tagagattga 180
 gagagagagc 190

<210> 14632
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 14632
 gtcacggcgt cgggggtggas ccggcggcag gggccaggcc tctctaggct ctccggctga 60
 gccgggttg ggcccggtt gggccgccc gggactctgs ngcattggga tttgtagcgc 120
 gccctctggg taggcggctg tagcggagag gcgtgcggga tccggatgtc ggggctgctc 180
 acggannccg rgcagagagc gcaggagccg cggtagcccc gcttcgtgct ggggctggat 240
 gtgggcagtt ctgtgatccg ctgccacgtc tatgaccggg cggcgcgggt ctgcggctcc 300
 agcgtgcaga ag 312

<210> 14633
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 14633
 gcagcgggg gcggactctg ggtttttctt ccccttctga ttttcccwc ccccttttc 60
 tcccttcgg gtttggtcc cccctttct tccctctca cc 102

<210> 14634
 <211> 222

<212> DNA
<213> Homo sapiens

<400> 14634
gtctctaggg gytctcctc gcgcgcgtgt gttccagcgc cggctccgag ctgggagggg 60
gactgagccc tgagcttggg ccctccgaga ggtgcgttac tctgggtmtt cttgccccta 120
cgcccagacc tggcgytctc tcggccccct cttaggaacg ctagccctgg gcagaaattg 180
cctttgtggc tgaagtcggc cagcgtcgcg ttccactct cc 222

<210> 14635
<211> 274
<212> DNA
<213> Homo sapiens

<400> 14635
agaaacgctg gcttagccgt tggccgagtt ggccgctgga cgaggacgct cmgagcccag 60
ctctcgagag ttcaagcaac cgacggttcc ccaactgctcc caggagcggg acctgggcac 120
tctgtgccct cntcctgttc gggcccaggc cgaggacctg ccaktagggc tcagttgcct 180
ggagcccgtt cagcccatcc cccagttcac tttgcctgtg ggatctcccc gttgctcctg 240
ccgtggactg agtggcaggc catcctacag cacc 274

<210> 14636
<211> 222
<212> DNA
<213> Homo sapiens

<400> 14636
cagatagggc atgtatatga cttataaata tataaatagc attttgtatt aaaagttttg 60
tagtttatgg caaaatctgg tcctgtggta ggctaaataa gtacagtccc tgtgaaagga 120
atgttttggt ctcatgtcag tgtgtgaatg catagacaat ttgaagtttt tgatatattt 180
gtgatattta tcttgagcac tgcaatctca cccccccccc cc 222

<210> 14637
<211> 310
<212> DNA
<213> Homo sapiens

<400> 14637
aagtcttggc ccaactgcgc asgctgagcc tgccagggct ggggctgggg atcaccttgg 60
gatgatggtg tngtcccagg gggcaggaga tcagagtgtcc tctgragcct ggcgactggg 120
cctgtagaag ggaaccggca tttntngagt gtctaactgag tgccaaggtc tgcgctgggc 180
actgtntctg caccgcctca cctagtcctc acgtagccct cgggcaagtg akgatccgcc 240
gggactrmgg ctgggaggga tggctgtggc tgtccccccag cccacacagt aggcgctcag 300
tgtcagggtg 310

<210> 14638
<211> 472
<212> DNA
<213> Homo sapiens

<400> 14638
gctttcgccg cctgggagcc gtccggcgca gagtttctag gtccccactg tccccgccgt 60
cccgccctt cgcgtcccgg gaaccggctg gcttccgagc cgcaactgcc gatcctccag 120
gmmtgccccg cgaccgagct ggcttnaatc ctgaaagcca tgcagcggcc agagactgct 180

gctactttga aacgtacgat agaggccctg atggacagag gagcaatagt gagggacttg	240
gaaaacctgg gtgaacgagc gcttccttat aggatctctg cccacagtca gcagcacaac	300
agaggcgggt atttcttggt ggatttttat gcaccaccg cagccgttga aaagcatggt	360
ggagcacttg tctcgagawa tagatgtgat tagagggaat attgtcaaac accctctgac	420
ccaggaacta aaagrawtgt gaaagggatt gtcccagtc nactcgcaga gg	472

<210> 14639
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 14639	
attgtgttgg attttgccat tttatactta gcaccatgag gccaatggta aatcacactt	60
gctgggtggg agatcacctc cctgagatgg cacgttcacc tgctttttct tctatcattg	120
cttcttactg gatg	134

<210> 14640
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 14640	
tttttagact ttgcaggcca cacacggtct ctgtcatata tttttctggt tttttgtttt	60
gttttgttt gtttttgcta tcttgtttgt tttgtcttat ttttaaccct ttaaaatggg	120
aaagccatac ttagttctgg gggcatacaa aaacatgcta caggcagagg gcagaattta	180
gcctgcaggc tggccaaaat ttgccaaccc ctgccctagc tctc	224

<210> 14641
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 14641	
cataaccttt taattctatt tttcatttga gctgacttgt agccacttca gactatcaat	60
ggaatcttat gttgagcctt tctctggctt tcttctctcc actatctctc caactttaga	120
gatcatcccc tctccctcca gtgcgttcta tctcccccac acccacccta gatactccct	180
tttcacccac ctttctc	198

<210> 14642
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 14642	
cccttccccc gctctgcccc agctgcagga cttgccctgt gtccctgatca tgagcccaaa	60
atttcccgtc aaatcacccc cagtgggatc ctgttatctc caactccaaa aagtctttct	120
ttcttttttt tttttttttt	140

<210> 14643
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 14643

gacttgggag cgcgcgtgc ccctcacttg gctgcaactg gaccagaac tagggaagag 60
gccagggaca gattttttt ttttattttw atttttttt ccgagggacg tttcaaaatt 120
ttgcacggcc agggtgacaa aaagaggatt taagagcc 158

<210> 14644
<211> 183
<212> DNA
<213> Homo sapiens

<400> 14644
catgtcttgg cagtcttatt taaacatgaa gtgaaagtta gattttttta gttgtcattt 60
gttttttaggg tgtgagagaa tatttaagt atactctttt tatcctccac ataaganaat 120
aggactagag aaacctatgg ctctctcact tgttggtggc ctagcagccc tggcacacag 180
agc 183

<210> 14645
<211> 127
<212> DNA
<213> Homo sapiens

<400> 14645
tcatatttca tctgcacatt cctctgttcc canctgtgct ggtgtttcat cttcttctcc 60
agctttgtct gccactttcc tctcttcagc ctgttggtc ccatctctgc catagtcttg 120
tagttca 127

<210> 14646
<211> 149
<212> DNA
<213> Homo sapiens

<400> 14646
agtttgcccgc gcaccggagg agggtcgggc ggcattctcc gggactagg gctctgcgga 60
cggagaagag gttccagcgg ggaatggat atctggattc aagaagccgc ggctcggcgc 120
cagatcctgg agttagata tttgggaan 149

<210> 14647
<211> 245
<212> DNA
<213> Homo sapiens

<400> 14647
tgccattcta tatttagctt ctgggagggg agcttggtcc tgggaataga atcaccactc 60
attccttttc tctttagttt ttaggtggt ggcggcagtc ggatagacaa taccacaaca 120
acacattttg cagagcttag gggccatttg gatcacacga tgttttttca agattttaga 180
ccctttctaa gtagcagtc actggaccaa gataatagag ccaatgaaag gggtcaccag 240
actca 245

<210> 14648
<211> 72
<212> DNA
<213> Homo sapiens

<400> 14648
agagaatact tggaggaggat tatgaagctt tcctcaatac tttgattatt atgtttcttt 60

ttattcttcc tg

72

<210> 14649
<211> 78
<212> DNA
<213> Homo sapiens

<400> 14649
gogagtgagt agtgtcgctc ctggttctgc cagctcccct gagagcctga acccgggctt 60
gagagcctcg ccaccccg 78

<210> 14650
<211> 411
<212> DNA
<213> Homo sapiens

<400> 14650
acatcccaaa catttctgat aatggaagca ttttctctct aaaggggatg ggattattgg 60
attggcaatt tctcttaatc tgagaaaact catctccac tcccttcccc atatccctt 120
tccatcctct ctcttccct tatacacaca cgcacccgca tgcacacacg tatattctga 180
ccattttatt agagtggaaa gttgaaagga agcaaccgc cagctacacc caccagcgc 240
tctgggggt ggaatagsaa agttctaggg cagagccttc cctccagag ccgpggatg 300
cagtcgtctc cggatacctg ctcagctccg caccgcaact gaagatctgc cgccgcggaa 360
cagttgcgtc tccatctggc taccaacca ckcaagcttt cttctccacc c 411

<210> 14651
<211> 112
<212> DNA
<213> Homo sapiens

<400> 14651
actccttccc tgtctctgcc tctccctccc ctcaggcatc agagcggaga cttcagggag 60
accaragccc agcttgccag gcactgagct agaagccctg ccatggcacc cc 112

<210> 14652
<211> 94
<212> DNA
<213> Homo sapiens

<400> 14652
actccttccc tgtctctgcc tctccctccc ctcaggcatc agagcggaga cttcagggag 60
accaaagccc agtgcgccct tttttttgt tttt 94

<210> 14653
<211> 113
<212> DNA
<213> Homo sapiens

<400> 14653
gttttaggga gggagagcgg cctgrgtcct ggggtgttggtg tgcggastgt ggcgtcgctg 60
gtgagcgcg tgcagggtga gtgtgagtgg acgctgagt gtgtgagtgt gcg 113

<210> 14654
<211> 126

<212> DNA

<213> Homo sapiens

<400> 14654

gaggaagaga taaataatag aaagttgggt atatggttct agagctcagg agaggctgct	60
gctggagata cttggataga gaatacttga agctttgagt gagcgtggca cctggggcaa	120
arggtt	126

<210> 14655

<211> 69

<212> DNA

<213> Homo sapiens

<400> 14655

actcgctccg asccctgcts ccgggagagg gagctctcgg gtcggggcta gggaaggctg	60
accccgctc	69

<210> 14656

<211> 81

<212> DNA

<213> Homo sapiens

<400> 14656

atcagagggc caactgcact ttgtttattc aaatattaaa tgggaaatct attaaraatc	60
aatctttcct aaattaaact g	81

<210> 14657

<211> 660

<212> DNA

<213> Homo sapiens

<400> 14657

atctcttcca cyaaagcggt tgcggagact tcaagggtata atctatccca gatcctttcc	60
cagagagaaa cttggcgatc acgttttcac atgatgctca cgctcagggc gcttcaatta	120
tccctcccca caaagatagg tggcgcggtgt ttcagggtct ctcgtctctc tcctacagaa	180
aagaaaaaga aaaaaatgtc attagaagag gcgtaacacg tcagtcgcgc cccagggttg	240
tgtttctctg agtggccgaa agagatcagt tctaacctgc tctgcagaat aacggtcctg	300
cctcccgaca ctcttggcga ggtttttgta cagtttgctc cgggagctgt ttcttcgctt	360
ccaccttttt ctccccaca cttcgcggct tcttcatgct ttttcttctc accatttctg	420
gccaaaacta caaacarac ttgcaggtag gtttttttct ctcctctttt ctctcttttt	480
atcccttttt ggtgtgctcg tcctccatcc tccttttcta attttctcat tttgagtggg	540
gatgtgagtc tgaagtgaga aggggtgtcc gtgggtagga atttcagggtg ggtttagctc	600
ctttatggca agcttttctc aagagtggct tcttcgcttt ctcttacact cacactctct	660

<210> 14658

<211> 230

<212> DNA

<213> Homo sapiens

<400> 14658

aagagggttaa ctcagatcag gcttagaaat cacttgactt aactcagcag cactttttct	60
tttctttgtg tctgtattat tttagcagcc ttctctaaat actggaggca ttggatttca	120
tgctgccaaa aggaattwaa aaatgacaaa agtgtaatct gttagaaata gtttaattgt	180
agaattttac tctataagga ggtttagttt caatttgttt tgaaatgaag	230

<210> 14659
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 14659
 aacaccaggg tgtcctagtc cgcagagggtg tggggggacac actccataat ctctactttt 60
 ctttttgtgc agctgagtca tggagctttc agccccagca catggctcct ccttaactgc 120
 gtctgtctcaa cctccctcag ccctgtgaac agcatccccg cacacagacg cagagcagga 180
 ctctctctgc tgccacttca ccttcctgag agaggaccag cggccagagc ctcaagtact 240
 gccaccctgg a 251

<210> 14660
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 14660
 ttcagagtac tgggtagatg aacactttat acagtatata tcttcagctt aaatttgttt 60
 tgagtatttt ttttattttt aaataagtag gcaaagattt aaattttttt atttttagta 120
 aatgtttgag gcacactaag acaacttggg caatatttgc caaaacaaaa cagaacccca 180
 aaaaatgtac atcttgttct tagcaaatat cattattgta gagacactta ataaagagat 240
 ggtattttta tgtctgcagt tctgaggtag ggtggaactt agttctacat tgtgatttag 300
 gaatttttaa aacctttttt cttcaaggga gaagtgaacca a 341

<210> 14661
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 14661
 tgatcggcag ggagagcaca tgtgttttca tgaagaatta tgctgaagta ggtaacgggt 60
 ggagaagaaa tttgagcttt ggagggggat acccaatata tcttgagaa taaatgttga 120
 aggagctgga gtgtgtcttg ttgagaagat tcaaaggagg ggctacaaag tagaaggta 180
 tcaatatatt gaataagggt agaagcacat gggysgaaat aaattaaatc atgagaaaga 240
 gcttggtgta agtaatgagg gctgtccctg aagccttgca gcagtacagc ccaggtaagt 300
 tgctgagact gatgggtgtc agggtttagt caagtgaag cgawgagarg ctgggatgaa 360
 ggggtgyaaag gaatrgtaaa gaaagcatst tkgagatcca gaacagaata atggrrttgtg 420
 gagggaggta ttgaggatag gagagtatat gggtttgga ctatagga 468

<210> 14662
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 14662
 aacagggaat ctgccccgat attcacgtag gttcttttct attttcotta agcgttggcc 60
 agcttgagaa ataaagggac agagtacaaa agagagaaat tttaaagcyg ggcrtcrrgg 120
 ggagacatca catgtcrgta gkttcygtga tgccccacaa gccacaaaaa ccagcaagtt 180
 tttattaggg attttcaaaa ggggagggag tgttrcaata rrgtgtgggt cacasasatc 240
 amrtrecttya caaggtaata gaatatcaca aggcaartgg aggcaggyg agatcacagg 300
 accacaggac tggggcaaaa ttaaaattgc taatgaagtt tcagg 345

<210> 14663
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 14663
 gatggatgag atgctggtgt gtggatggat gagatgctgg tgtgtggatg aggtgctgtg 60
 tgggatggat gasgtgctgg tgtgtggatg 90

<210> 14664
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 14664
 accattcgga agaggcggag tcttcttccg aggaccattc ggaagaaggc ggancctacct 60
 ctcattcagga ccagtctgac tgcacctgca tccttagctc agagcatccc cggagcatct 120
 taagagctga gcgcagtgac aactaggggc cggaccgtcg caggaggcgt ccgctggata 180
 ccttccccct tccctgacct agagctctac agctgctgcc tcggtactga ccgagggttc 240
 ccagagctgt ctyaccattg caaaaacgtt atagcaacag cctctgatta cgacatggct 300
 gagatcacca atatccgacc tagctttgaa gtgcatcagc agaggggagc tccagggtgc 360
 tctgtcatwt cagcctgtgg cacagagaat gacagtgggtg gtcctcaaag ccagasactt 420
 gccgaagatg gatatsrkcg gtctctcagg taatccttat gtcaagggtga acgtctasta 480
 cggngaaaag cgcattgcc aagaagaaaac ccatgtgaag aagtgcac 528

<210> 14665
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 14665
 cgtgactttt cgtgcctggc ttcttttcaact aggcatatatt tcaagcttca tccacattgg 60
 agagctcatg tcagtgttgg tctctgtttt gcagatgggg aaggtattaa tgatcaggag 120
 caggc 125

<210> 14666
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 14666
 tagatgttca gatgtatctc aaactcagtt ttatttttat tccaaatatt gtgaatgaga 60
 agccattgtc ctaaactttg gccattttgt gctataaaca tgcattttta agttataagg 120
 tg 122

<210> 14667
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 14667
 gagaataaat ggtaatggag agaactatatt aacaagggtcc tggtttctct tgcaacacag 60
 tagctaaact tgctgtcttt tatatgcatt tttgtaggga tcagcttggt agacagtatt 120
 agcggagtaa caccttgatc ttggtttgca agcccttctc ccatcagtc tagattaggc 180

cctgttcagc catgcagggg tggttggttta tgcgtgctgc agcagtgggc ataataaata 240
 taatttacc agtggacaaa ggtgtgtacc aagtgaattt aaataattgg tgtggattgg 300
 ccagtagcta agtgggcttt taaagagtat tgaagattga nagggttttt ctttcttttt 360

<210> 14668
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 14668
 attttcagam amcaatacag aaaggtcctt tattgtgtgg tgataatata gaagaattac 60
 agagcattcc ttctgaggag gagatttttg cacctgaaaa aggagccat agtttttcca 120
 gaagcaactc agaggtcaga ttgctcggag agtttacaga caattgctgg cagagaaaag 180
 ggagcaagaa gaaaagaaga aacaggaaga ggaagaaaag aagaaacggg aggaagaaga 240
 aagagaaaga gagaga 256

<210> 14669
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 14669
 ctttccgcgc gastctccgc ggctccctag cccagcagcc ctcgcccagc agcccgcgcc 60
 gccaccgcct cttccctc 78

<210> 14670
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 14670
 ccaaagcgca acttaggctg ttacacaact gctgggggtct gttctcgccg cccgcccggc 60
 agtcaggcag cgtcgccgcc gtggttagcag cctcagccgt ttctggagtc tcgggcccac 120
 agtcaccg 128

<210> 14671
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 14671
 catgtagcag gattccattt atgtaacatt ggtgmaataa tgtaattata gagatggaaa 60
 acagattaaa gggtaccagg gggttaggtt agggatggtg aggggggtgg tcatacagg 120
 gagtcctgtg gtgttgaaam catctgtcag cctgactggt gggttacacag ggctatacat 180
 gaaagttaaa attgtgtara gttaggtaca caaaggagta cagatg 226

<210> 14672
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 14672
 ttttatgctt cattgcttag cccagtctca tacataatgt gtgttcaata tacatctgaa 60
 aaatggatca acaaataaat gaatgtttgg ttccttgata tcccagccag ggtagcccca 120

gaaaatgaaa gttatacaat aggaaagtga gagtgaagaca ttgtttctca aaagttttaa 180
 acactggact cccttttttt tt 202

<210> 14673
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 14673
 cttttcagct tggcttttcc gggcctcgt tccccagcc cctgcgccc gcccgaacga 60
 gaggttcgag agccccggcg cgggcgggt ctgggtgta gacgtgctg gccagccctc 120
 cccagccgag gttctcgga ccgccttgag agcttcagct gcccagggt gtgcagatta 180
 gaatcccaag raaaatccaa wtggccatcc ggggatttct gtcacctgg agaagggatg 240
 gaaatacttc aacaagtg 258

<210> 14674
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 14674
 attcgccagc cgcctcgtc ccggacccca cggctgcaaa ctgatctggc gcgcggggag 60
 gaggagagcg caggcgagcg aaccgcgag agaggagag ag 102

<210> 14675
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 14675
 agtcggcctg tcagccggct tcgagataag tcccggygct tgcgcggcgg cggctatggc 60
 ggcggargag gaggagtg actctgccga caccggagag aggtcaggat ggctaactgg 120
 ttggctcccc rsatggtgcc ctacgtctat atcacacctt aaagaagctg aagag 175

<210> 14676
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 14676
 gagagccgcc gcccgcgagg aatgctggtg aggaagccgt cgggagccgc cgccgccatc 60
 tgaggagggt accctggaaa ccacctttta tcggtgggga agtgcagtcg cgggtggcgg 120
 ctctcgacgg ctcctcccc agccttcccc gcgagcggac gcgncagccc tctgtctcgc 180
 tttttcttat ttttcccccc ttccccctt cttttt 216

<210> 14677
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 14677
 aaaatgagtc caccgacctt cggcttttct tagccacgag aaaacgtcct cctccttcc 60
 atcctagtgc caacgacttc cccagcccgt ctcctttcgg ccgcacttct ctgtactttc 120
 gttggaccgg gaaggcggcg gggaggaaca ggaaggggta aagaccaagt ccgcgtagtt 180

tacaaggagt	gggcgagtct	aggaatcggt	cgcgcgagggc	ggagcgagga	agccggcact	240
tcttcctccc	ttccctctc	ttccctccc	tccccagcct	tccccgcgag	cggaacgckc	300
agcgctctg	tctcgctttt	tcttattttt	ccccctttc	ccctttcttt	tt	352

<210> 14678
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 14678	
gcgagggtgg	cggtgggtgg
gcagggcgaa	gactgaagcg
agargggcag	cgcgagggtg
gaggttaaaa	120
gaggttaaaa	180
atgttgcagt	tatttatctt
gtggatatta	cagaagtgc
tgacttcaac	aaaatgtatg
atgattgact	240
agttatacga	tccatgtact
gtcatgtttt	tcttcaggaa
caagcacatc	atgattgact
atgattgact	286
tggggactgg	caacaacaac
aagattaact	gggcatgga
ggacaa	

<210> 14679
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 14679	
gaggagtgg	aggcgagaa
gaaggcggtg	gtggcggtg
gaggttcgag	cgctgttctc
cgctgttctc	120
gctccggagc	cgctgcacat
ttcggaatct	tctgcggctt
gtccatagtg	tgaataaaaa
tatgtcacag	180
ctaaatcaca	tctataattc
tactgaactg	gtcayacaga
cgctgccata	tatgtcacag
tactgtcacag	240
tacactgaaa	aggagccagc
agcaatggac	caagaatctg
gtaaggctgt	ctggcccaaa
ctggcccaaa	300
ccagcaggag	ggtatcagac
aattacaggc	aggagatatg
gaagaagaca	tgcttatgtc
tgcttatgtc	360
agtttttaac	catgtatgac
cagacatgaa	agaagcttag
gtcgggctgg	tgatgactat
tgatgactat	420
gaagtgttgg	aactagatga
tggtccaaag	gaaaattctc
aggttccagt	cctttggatc
cctttggatc	480
aagttgatct	tctttaccca
gtgaactata	tttgaaaaag
tgaacagaaa	ttcccacttg
ttcccacttg	485
tggtt	

<210> 14680
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 14680	
aactaggagc	ggctctcggt
gcagcgggac	agggcgaaag
gcctgsgccc	acagagcgcg
acagagcgcg	120
cgacactgcc	cggaaggacc
gccacccttg	ccccctcagc
tgcccactcg	tgatttccag
tgatttccag	136
cggcctccgc	gcgcgc

<210> 14681
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 14681	
tttgttttgt	ttttgtgrgr
gggacgtgtc	tcctaaatga
atgtttgtct	cagcgttgca
cagcgttgca	60
cctcaataaa	gtcacctaaa
tatccacgcc	ctctttatcc
accca	105

<210> 14682
 <211> 120
 <212> DNA

<213> Homo sapiens

<400> 14682
agccctgcct gccgcacctc tcctttcttc tgtagctcgc gttgaagccg cacgtccggc 60
cccgatcccc gcaccatgag cttcggtcgc gagcactacc tgtgtcctc ctctctctac 120

<210> 14683

<211> 80

<212> DNA

<213> Homo sapiens

<400> 14683
tggtctctgc gaggscttgg tttagggctt cagctctctg cgttctcggc tccgggaggg 60
ctcgttgatt cagccacagc 80

<210> 14684

<211> 251

<212> DNA

<213> Homo sapiens

<400> 14684
tctcagctct gtccttctct tttctgttct gtgggcacca ccaggttaac ccaactgcacc 60
cccatgcctg gcttggcata atcaactgcc tccctgtctc cagtcaaccc aggccagggt 120
aaggaagcag aaaggccagt ccccaactca cagttgcatc ctatgaccac acttggatcc 180
tgctcccgt gtgccagggc accctgggag ccatgtgtct cattcagagc ctcgacctct 240
tgctctgcac c 251

<210> 14685

<211> 207

<212> DNA

<213> Homo sapiens

<400> 14685
accgctccc tccctermac cttctattcc cagaatcact aggcgcgggc gcctccgagg 60
cagtgtgttt ccgccagag ctggagtctc ccagctgcca gccgaccccg aaccgcact 120
ccgcaccaacc gcgctttttg tggcggtcgc gaaaccacag cctccgttgg atatgttcgg 180
tgcattgkat aaacaaccac ttaaac 207

<210> 14686

<211> 165

<212> DNA

<213> Homo sapiens

<400> 14686
agtgcggagc ttaggcggas gaagagaacc ggtcgcggca atcctagcgc gcagagcagc 60
agcagcagca gcagcagcag cagcagcagc acccgcatcc gctgcgggag tccgagccgg 120
aaccacacc aagtagctgc cctttctct tctgtcatct caccg 165

<210> 14687

<211> 146

<212> DNA

<213> Homo sapiens

<400> 14687

tagttgagac ttgaaaaaat aagcatctta tkttggtgtgc tcaggagctg tctgacaaaa 60
 tcctaagcct gactgagatc atagtccacc ctgactttgt ctaaaaatgt tgctgactgg 120
 gcatggtggc tcacgtctga gaccc 146

<210> 14688

<211> 441

<212> DNA

<213> Homo sapiens

<400> 14688

ccaaggccat ggtgagatct gagctgtggt cctaagagcc atgagagagt gttgaagggt 60
 tttaaacagg gaggggtgtg atactgtgac actgtttgtc atccttgaag agaggggggt 120
 ctgatggctc acacctgtca tctcagcact ttgggaagct gaggcaggca gatcacaagg 180
 tcaggagata gagaccatcc tggccaacat ggtgaaaccc tgtctctact aaaaatacaa 240
 aaattagcca ggtgtggtgg cgggcacctg taatcccagc tactcaggag gctgaggcag 300
 gaaaactgct tgaaccctgg aggtggaggt tgcagtgaac caagatcaca tcattgcaca 360
 ccagcctggg tgactttgtc tcaaaaaaag aaaaagaaaa gaawagaaaa ganaaatatt 420
 agtgaggaca aaaatgtcca c 441

<210> 14689

<211> 113

<212> DNA

<213> Homo sapiens

<400> 14689

agctgtttgt ctgttcgaca caggcttggg gccgacgggg gagacggagc cccaggagtg 60
 ttgaagcctg gaaatcccc ccccttcccc ctccccctt tacagtatcc ccc 113

<210> 14690

<211> 162

<212> DNA

<213> Homo sapiens

<400> 14690

aggtcttggg ggcgcgcggc ggaaatcgcg cggatgccag aacgcgctct cagcttcggg 60
 tcttgccgct gcggctgccg ccatcatggt gcggaagctt aagttccacg agcagaagct 120
 gctgaagcag gtggacttcc tgaactggga ggtaaccgac ca 162

<210> 14691

<211> 148

<212> DNA

<213> Homo sapiens

<400> 14691

aggagaggga cggtttggtg ggaaggaaac acacactctc aagacagaac aaatatgttt 60
 tattatagtt aatccctgca tttcccttt tgagacaggg tctactctg tcaactgaggc 120
 tggaatgcta aggggtgatc atagctcc 148

<210> 14692

<211> 180

<212> DNA

<213> Homo sapiens

<400> 14692

gtttttccgg gcgagtctgt tcggcttatg gcgtctgcta ggagtctcct atccggcggt 60
 tgtgccgcag aaaaccttta acctgcgttt tacccgtaaa cattttcctt tttaggcttc 120
 ctatcattgt tttggttctt gctcctgtat taactttgtt tttgggtttt tctttttttt 180

<210> 14693
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 14693
 ctaggatcca gtcccgaatc gcatattgca tttagttgtc ttatctcctt agtctcttct 60
 aatctgtgat tgttctaag tcttctcttt cattgctatg acactttttt ttt 113

<210> 14694
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 14694
 ctgttgggaa tcttggaag gaatttgtga gtaatgccag gcagcctagc ttttaggggtg 60
 aatgactggt tctgacttat gtcaatacat ccttgagtca tgccaagaac tgtggggaysa 120
 tcaaggacca cggaccagtg tcctggaagc atcgatggst ccaagctgct gg 172

<210> 14695
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 14695
 gaagagaaag cgtgagggct gggcctgcgg cgggctttag ggagtgggtc ctggctgtgg 60
 atagatctgc tgatgagtc agggccccgt ccattctcct cgcgctgcaa ggatgctcct 120
 gggattttrg agaggccgca ggagatcatt tcaaacaggg tctcgtcttg tcgcccaggc 180
 tagagtgcag tggcgcatc atagctcact gcacctcga actcctgggc tcaagcratc 240
 tccccacccc agcctcccgga ggagctgaga ctacaggcgc gcgccactac tcc 293

<210> 14696
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 14696
 ctatttttatt gtaggcctcc ttcatgtcta aatgacactt gggaacagct gaaaagacaa 60
 aaagaacaaa ttaaacaac gctgcaccac cacca 95

<210> 14697
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 14697
 agtctgaaga gaggcgggac sggggtgata acagctggct ctgggtggcg ggcgggagct 60
 ggggaggagg agcaggagag gccacaggc ttcatattgga gtcaggcctg gctgttgctc 120
 aggtgaccag cttgtgtctc tgggagggcg ctgctttccc cggccacccg gcgcgatgat 180
 ccagaatgtc ggaaatcacc tgcgacgggg cttggcctct gtgttctcca accgcacatc 240

ccggaagtca gccttacgtg cggggaacga cagtgccatg gcagacggcg agggatamcg 300
gaaacccac ggaggtgcag atgagcccag ctggtgctgc ccat 344

<210> 14698
<211> 244
<212> DNA
<213> Homo sapiens

<400> 14698
tcttttcgat ccgggacggc cggtcaggct cgccgccgag ctggagaact acgatgaccc 60
gcacaaaacc cctgcctccc cagttgtcca catcaggggc ctgattgacg gtgyngtgga 120
agcagacctt gtggaggcct tgcaggagtt tggacccatc agctatgtgg tggtaatgcc 180
taaaaagaga caagcactgg tggagtttga agatgtgttg ggggcttgca acgcagtgan 240
acca 244

<210> 14699
<211> 326
<212> DNA
<213> Homo sapiens

<400> 14699
gcagggatcc gsaaacacct gatcatctat aggttttagtg cctaattgggt gttgttcctg 60
gctggacttg atgtccaggg cctgaggggt tttctcgccg agtctcctgg ggcggtccgg 120
aggctcgtgc cctgttgtgg ggcccccatn tgccgccgcc atgcccamgg gccggccgcc 180
cccatsatca gctcgggtcca gaagctggtt ctgtatgaga ctagagctag atactttcta 240
gttgggagca ataatgcaga aacgaaatat cgtgtcttga agattgatag aacagannca 300
aaagatttgg tcataattga tgacag 326

<210> 14700
<211> 205
<212> DNA
<213> Homo sapiens

<400> 14700
aatttcagcr aggtctgtt cagttgttct tatctacatc ctagaatcgg gggtttcags 60
tcaactgtcc ttttctttt tttctttctc tcccccgccc acccgtgcgt cgtaggtagg 120
gacacccgcc gggggtgatg ggtgcaggga gggggtcgca tcagacctcg gccaccgcgc 180
ctcctcccct cctcccgccc acgcc 205

<210> 14701
<211> 123
<212> DNA
<213> Homo sapiens

<400> 14701
ggagaaggct gtcgttgccct nggccgtcgc atcccynagg gagtcgtgtc ggcgccaccc 60
cgcccccccg agcccgca tggcccaccg aagctcgtgt gtgcaccccc gatcccgcca 120
gcc 123

<210> 14702
<211> 653
<212> DNA
<213> Homo sapiens

<400> 14702
catcattgaa ctgtgaacct gggaagccag atcatgatta acactgacat caagtttcaa 60
gttgacagatc aatgcaccca gtgttcagat gaggcaaact tctccgtgac aactgtgctg 120
tgctctgtca cattacattt cctgcagact ctaagatcta cggagtagag aacaatgacc 180
tcattttatt ttctatgtta gttatttatt tcaaaattaa catttttagt gattttttgtc 240
tgataagtct atgwtttgca ctgctaacta tgatgagggt ttaaaaaatg cttcttcagg 300
gtccttttcac tgaggaccta tgcagtctac ttaatgctgt gaattacatt tttcaaatgt 360
ttaatttttt aaagaaaatt aatattctat ttttgtagg cttctctaga aatgcagctt 420
ttattttatta cccattttct ttcaagtctt tggaaaataa catattaagg gtacaagaaa 480
ttaacacatg atggaaaagt cattgtgacg ccaatgaatt tcattgagta taaactcatc 540
tacttcaaatt ttattttata agacaaccta agataactcaa gataattatt taatggtag 600
ctcttaagtt gaattggtct acataatgctg tgggaagaaa accagatttt tag 653

<210> 14703
<211> 660
<212> DNA
<213> Homo sapiens

<400> 14703
cggctgaaac ctggctactt agaagctact gtggactggt ttagaaggta taaggttcct 60
gatggaaaac cagaaaatga gtttgcgttt aatgcagaat ttaaagataa ggactttgcc 120
attgatatta ttaaaagcac tcatgaccat tggaaagcat tagtgactaa gaaaacgaat 180
ggaaaaggaa tcagttgcat gaatacaact ttgtctgaga gcccttcaa gtgtgatcct 240
gatgctgccca gagccattgt ggatgcttta ccaccacct gtgaatctgc ctgcacagta 300
ccaacagacg tggataagtg gttccatcac cagaaaaact aatgagattt ctctggaata 360
caagctgata ttgctacatc gtgttcatct ggatgtatta gaagtaaaag tagtagcttt 420
tcaaagcttt aaatttgtag aactcatcta actaaagtaa attctgctgt gactaatcca 480
atatactcag aatgttatcc atctaaagca tttttcatat ctcaactaag ataactttta 540
gcacatgctt aaatatcaaa gcagttgtca tttggaagtc acttgtgaat agatgtgcaa 600
ggggagcaca tattggatgt atatgttacc atatgttagg aaataaaatt attttgctgg 660

<210> 14704
<211> 326
<212> DNA
<213> Homo sapiens

<400> 14704
atgtataagt aacagaaatt aacatatttt aatgacttta ctttttattt ctaagaaaag 60
tatttgaaaa atggaataat tttaaatcaa tgataattct agggatcatg aactcccaga 120
agattttatt atttaattgt aaaggtagag gccagacgca gtggctcacg cctgtaattc 180
cagcactttg ggaggccgag gtaggcgggt cagttgaggt caggagttca agaccaggct 240
ggccaacatg gtaaaaccct gtctctactg aaaaacaaca aaaacaaaaa cacaaattag 300
tcgggtgtgg tggcacacac ctgtag 326

<210> 14705
<211> 312
<212> DNA
<213> Homo sapiens

<400> 14705
tctatgtata ttgagtcata tctaaaacca cgtataaaca taaattgtat ttctgtttt 60
aattccaggg gaagtactgt ttgggaaagc tattattagg taaatgtttt acaaattact 120
gtttctcact ttcagtcata ccctaattgat ccagcaaga taatgtcctg tcttctaaga 180
tgtgcatcaa gcctgtgaca tactgaaaac cctataaggt cctggataat ttttgtttga 240

ttattcattg aagaaacatt tattttccaa ttgtgtgaag tttttgactg ttaataaaag 300
aatctgtcaa cc 312

<210> 14706
<211> 126
<212> DNA
<213> Homo sapiens

<400> 14706
agtctagttt gtttaattgtg ttcataatttg tatacatttg ttgatatttt atgtgcttct 60
gttagttact aagacatttt gttttcattt attactgaag gggggcatct tttacatct 120
ttctgt 126

<210> 14707
<211> 171
<212> DNA
<213> Homo sapiens

<400> 14707
gtcagtctgg ccggtccgt cctcccgtag ctccgctgta kctagcaatg tgacaccagg 60
acgcactcgc tctcgcgcgc tctcccaggc tcgttctccc tcgcccctctc tctctcacac 120
acgcacgcac acacccacct ctcccataaa cacacacaca cacatgcaca c 171

<210> 14708
<211> 366
<212> DNA
<213> Homo sapiens

<400> 14708
acggaagctg agactgcayt tctctgcgagg cccwgcagc agcagcggcg tggtcagagc 60
gagcttcgga garsagtggg gggttccatg tgatgggtgga gtaggaggca ggtctccgcg 120
gtttcttcat gtggctgcag atggcaggat ttcccaaagg tttctggctg aaacatattc 180
cgtgggtgat ctgtacagca gtttccttat cctgcagct gtgtttgaac aggaaagrwa 240
aaagaagaaa aaaaacctcc atacgagagt gggctctaaag gracttccca aacctccatg 300
attttkcmrg aaacaagata aagctgggtg gtggwgaatt tgaactggag atgaactcta 360
ttatcc 366

<210> 14709
<211> 163
<212> DNA
<213> Homo sapiens

<400> 14709
ttctaatagt tgggctcagt gttcatatat gttctgccct tgtctctaag caggtggaaa 60
aggaactcct ctgggaaccc cagcaacctc tctctctcca gccccactct gtcattcgga 120
tgactacgtg cacatttcac tccccaggc cacagtcaca ccc 163

<210> 14710
<211> 227
<212> DNA
<213> Homo sapiens

<400> 14710
atcctgaggt aggcaatgca ggcattaata ttcccatttt actcatgaag aaacagagct 60

gttaaagcc ttggctcaag tgacatagcc gctgagagaa gtggaaaaca ataagccagg 120
 tctcctgata cctaatttgg tggtattagt cacctctgta ttgtattaat atttatatta 180
 atattcattt taaggaaaaa ctacaaatat gactcctaaa cacctcc 227

<210> 14711
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 14711
 gctttttggc tggtgttaat aatgctactg tgaacttggg ttgcaagta tctcttcaag 60
 actccaaggc ccttcttgat attaccccca aacaaatgcc tg 102

<210> 14712
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 14712
 cagtctgagg caggtgcccg acatggcgag tgtagtgctg ccgagcggat cccagtgtgc 60
 ggcggcagcg gcag 74

<210> 14713
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 14713
 actccgcggt atctgcatcg ggcctcactg gcttcaggag ctgaataccc tcccaggcac 60
 acacaggtgg gacacaaata agggttttgg aaccactatt ttctcatcac gacagcaact 120
 taaaatgcct gggaagatgg tcgtgaccc ttga 154

<210> 14714
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 14714
 tggatctgct tctggtgatg gccccagtaa acttccagtt gatcacagtg gaaggcaaag 60
 ggggagcagg ctgtgtcaca tggcaagagt gggagtgaga gtggggaggg gccacgtact 120
 tctaaacaac cagaacaaga tccctgggtg agcaccagg aaatggtgct aaaccactca 180
 tgaggcatcc accccnatga tccagtcacc tcccaccagg ccctacctcc aacactaacc 240
 aatttcaaca tgagatttgg aggggacaga catcc 275

<210> 14715
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 14715
 caaagaagaa gaaaaagaaa aagaagagaa agagtcggaa gacaaacctg aaattgaaga 60
 tggtggttct gatgaggaag aagaaaagaa ggatggtgac aagaagaaga agaagaagat 120
 taaggaaaag tacatcgatc aagaagagct caacaaaaca aagcccatct ggaccagaaa 180
 tcccg 185

<210> 14716
<211> 156
<212> DNA
<213> Homo sapiens

<400> 14716
ttgaaatgtg tgtgttggt cactcagcct ttccatttat ctatgtattg aaatgtgtgt 60
gttggttcat tgtgccatgg catctgtcta ttattgaaa tgagtatgtt ggttttctgg 120
acctgggtat ctgtctattt attgaaatgt gtgggg 156

<210> 14717
<211> 211
<212> DNA
<213> Homo sapiens

<400> 14717
ttgtttgta tggggagaag cgtggccagg cagggtggcac gtggcatcgc atggtgggct 60
cggcagcacc ttgcctgtgt ttctgtgagg gaggtgctt tctgtgaaat ttcatttata 120
ttttctatt tttagtactg tatggatgtt actgagcact acacatgatc cttctgtgct 180
tgcttgcac tttataaag acatgttccc g 211

<210> 14718
<211> 196
<212> DNA
<213> Homo sapiens

<400> 14718
gttcattctt ttgctgagta gtattattgt ttggatgtgc tacagtttgt tattcattca 60
cttggtgagg gatattcttg ctattttcag aatctgtgat tatgagtaaa cctactataa 120
acttggttag atgcctagga gtgggattgg taaatgtacg tttactttt aaagaaactg 180
tcaaacagtt ttccga 196

<210> 14719
<211> 261
<212> DNA
<213> Homo sapiens

<400> 14719
ctgtttgtag ttttattact agatgatttt tccggttgtc cttaacaccc cttcctgagg 60
ttcccttcac cctctctct tgccttcctt cctttccct ttcttctga ctagcccaaa 120
gtcccttcac ttgcactctg tatgcaatag tccctctctt ttcttcttc ttccctcaga 180
tttagctgat ccttctccc accctggcct tctttcctc ttctctctc actctccccg 240
tcatgctccc tctccccgc c 261

<210> 14720
<211> 109
<212> DNA
<213> Homo sapiens

<400> 14720
atttttccac ccagcaggat ggggtgatgct gagagctgcc tgctcasaca acagacacgc 60
gaggtcagga agaagccgct tataaattac cgcttccttc gcgccgccg 109

<210> 14721
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 14721
 tgctgagcat aaccacctcc ttcacctcgt tctgcaagaa accatctccc cctcaggaca 60
 gggagtctga tccatcccat tcacccagtg acttcttttt gcccaggcct ggactttttg 120
 catcagtcac gttaaccaga tgactttgcc tgttaccaaa cctcatgcat ccacgtttgc 180
 gtctggggag gaataaaaag acatcgttcc cgttctgcg ttttgttatt cctactgccg 240
 ccataggaat tatttcgttg gctgaacgtt accagcaccg cgagaacaca tttgataga 300
 atcagagtag aggrcatggc tgtcttctaa aaagccacga catgaaaatg acaatccctt 360
 tcgtctcctt cctccgctgc ttccacctaa cgcagcctcc tgccctccgc tttgtttcat 420
 agtgaggatt ttattttgca cggc 444

<210> 14722
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 14722
 agatggatga ttgcttttaa ctactgccag ctgatgtctc tcagcccctg ccctcataca 60
 agatttttct cagccttcag cctaccactg cagaatccga tgtgacccac cattagggag 120
 tctgcatctt ggaagagttg gaaataaccc tttaacatca acatgcttca aagacttttt 180
 gcntttggcc tagtaagatg cctctccagc tactgaggcc cacaagtaac atgagcggat 240
 aaaaagagac ttgtttgtgc tagaaatgag ggtctatgct atgagggggg ccaagactct 300
 ggcgaaatgt gctttttcat caatggagam atgaaagga aacacaagca agaaaaaagt 360
 taacttgtat tatgtatttt tactacactt ttcttaaaaa tagagcattg ggaaaactct 420
 gaaagagact gacatttttc tcaacaggra tccatactta acagttcttg ctttcattaa 480
 attttgctct ttggtacctg g 501

<210> 14723
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 14723
 tacatcttct tttttaagaa aatctttata tgtacctcct tctgtcgagt gtccttactt 60
 tcaatgaact tttttgagat ataatttata tacagtaaaa tgtacctatt ttaagtttac 120
 aattcagcgg atgttgacaa atgtacaacc cccagtatct gtyacccag tcattatatt 180
 gatcctcc 188

<210> 14724
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 14724
 aaatctatta ggaactggaa aacagcaagt atggttgatt ctcatatttc aaggtagtta 60
 cgttctataa agtcactgcg aacactgaat tagcaaatat agaacctagg gg 112

<210> 14725
 <211> 144
 <212> DNA

<213> Homo sapiens

<400> 14725
 caatagagaa gagcaaatgt agtttaaaaa ttacaaaatc taaaggaaac caagaaagaa 60
 gagagaacaa agagacaaat atagaaaatg cctattattt tagaagcata aactcaaate 120
 agaataacat taaatgaaaa agga 144

<210> 14726

<211> 149

<212> DNA

<213> Homo sapiens

<400> 14726
 attccgcggt gctgggtctc cgtgccgggg tgggtgctcg tgtgtgcgct tctcctcccc 60
 atcccccttc cccaagaat aaaagaagaa ccgggaggcg tgctcagaaa ataaataaat 120
 aaccaccaca cagcgcgagc cggagcgag 149

<210> 14727

<211> 186

<212> DNA

<213> Homo sapiens

<400> 14727
 cggtcctaat atccacttgc agattctact aaaagagtgt gtcaaaactg ctctatgata 60
 aagtatcttc aactctgtga gttgaatgca aacatcacia agaagtttct gagaatgatt 120
 ctgtctatat tttatgtgag gatatttctt ttttgaccat aggtctcaaa gctctcctaa 180
 tgtcca 186

<210> 14728

<211> 176

<212> DNA

<213> Homo sapiens

<400> 14728
 tgtctttcta tttcccacca tctgtaagca actgggctgg catgtagtag atgggggtctc 60
 actcagtctg tccccaggc tggagtgcaa tggcatggct acagctcact gcagcctcaa 120
 actcctgagc tcaagtgatt ctctgactc agtctcccaa gtagctagaa atacag 176

<210> 14729

<211> 245

<212> DNA

<213> Homo sapiens

<400> 14729
 tgcattgattt ataactcttt gggatatatac ccagtaatgg ggtggctggg ttgaatggta 60
 tttctatttc tatatccttg aggaattgcc agactgtctt tcacaatggg tgaactagtt 120
 tacagtccca ccaacaggta aaagtgttcc catttctcca catcctctcc agcacctgtt 180
 gtttcttgac tttttaatga taaccattca aactgttttg ccattctcctg atttctttat 240
 catcc 245

<210> 14730

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14730
 atttgtttga ttctctctgg ctagtaggag ctccatgggc agtgactgaa gcattttgtt 60
 tgttttttta atgtattttc cttgacaaat aataataata tattttttta gttttcattt 120
 ttttwtttw aatttagaga cagggttttg cyctgttgcc caggctggag tgcagtggct 180
 attcataggc g 191

<210> 14731
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 14731
 ttggtcttta aaaagtattt acaagtacat aaatttgctt tattttttaa aatacaaaaa 60
 ggaaaaattt aaattttttt tgatgtaatt aaaatgttaa ctatgtggc agataatccc 120
 cattttacaa tagtaacaga aaattgtaat tcttagttct aaaattcaga aattaaactc 180
 ataagttttg ttgcattttg ttttttcttt tccattttta aaactaatgt gatgtcttta 240
 gtggcaatag aaggtacttc tatgctaaat acaaaactaa aaaggcaaaa taatgaac 298

<210> 14732
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 14732
 agagagnwaa agtaaaagan cgaagantga ggctggagag accaggatcc ttccagctga 60
 acaaagtcag ccacaaagca gactagccag ccggctacaa ttggagtcag agtcccaaag 120
 acatggcctt gaaagccatc ccctgggtac aggtctttgt cttgaaagaa agcaac 176

<210> 14733
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 14733
 aaagcccttt tcattgcagg agaagaggac aaagatactc agagagaaaa agtaaaagac 60
 cgaagaagga ggctggagag accaggatcc ttccagctga acaaagtcag cgacgtctca 120
 tactggaaaa catcactgca gctgcagcag gccggcatgg tgacagcctc cctccctgcg 180
 cggactggac cagagctcta ctcttctga cagggccaca gcaagccccc 230

<210> 14734
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 14734
 aaagcccttt tcattgcagg agaagaggac aaagatactc agagagaaaa agtaaaagac 60
 cgaagaagga ggctggagag accaggatcc ttccagctga acaaagtcag ccacaaagca 120
 gactagccag ccggctacaa ttggagtcag agtcccaaag acatgggctt gttagagtgc 180
 tgtgcaagat gtctggtagg ggcccccttt gcttccctgg tggccactgg attgtgttc 240
 tttggggtgg cactgttgac ccaatatcat tgaggcaaac agtttgggct gtttttccag 300
 tagtatgaca gtgacggtgt gtcaaccgca gacctcacc 339

<210> 14735

<211> 445
 <212> DNA
 <213> Homo sapiens

<400> 14735
 cattttacca catttaatat ggtacttatt aagggtataa cttaaataca agattaaatt 60
 actacaattt taaaactcca catgaactat atgactgggt gcagtggccc acacctgtgg 120
 tcccagcaact ttggggaggcc aagggtgggca gattacctga ggccaggagt tcgagaacag 180
 cctggccaac atgccaaaac cccatctcta ctaaaaatac aaaaattagc cagggtgtggt 240
 ggtgcacacc tgtggtcccg gctactcggg aggctgaggc atgagagtca cttgaaccca 300
 ggaggcggag gaggtggagg ttgcagtga cccagatcgt ggactgact ccagcctggg 360
 gaacaaagtg actctcatgc ctccagcctt tgagtcgctg ggactatggg caccgccacc 420
 aagccggcta atttttgttt tagta 445

<210> 14736
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 14736
 aaagagagag agagagagca agagagcgag ctgtgagctg tgctgccgcc gccgctgccc 60
 tttgatcccg acattagtgt taggggctcg gagacacaga gcgcggccat agacaccgcc 120
 gcaccggcac tcatttatTT awacctcccc atcacacacg cgagcatagg acacacacac 180
 ac 182

<210> 14737
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 14737
 ttcaggattt tgaattgcat atgagtgcct ggctcttccct tctgttctag tgagtgtatg 60
 agaccttgca gtgagtttat cagcatactc aaaatttttt tcctggaatt tggaggggatg 120
 ggaggagggg gtggggctta cttgttgtag cttttttt 158

<210> 14738
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 14738
 agttcagctc gctcggcgca cccacgcctc gctgccccgc ttctgcccct caacctgggc 60
 atgcgcacc 69

<210> 14739
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 14739
 ccacgtgcc accgtcagcc tgmccgggtcc tgcctgttg aggctgacgg gaaccgggga 60
 tcctgggggtg ggcaggctccc gtgggggaaag ggagagacag ayggtcaggg gcacagagac 120

<210> 14740

<211> 101
 <212> DNA
 <213> Homo sapiens

<400> 14740
 tattcattta tattttccta tgggtttttt tgggtattagc aattaactga taaaggaatt 60
 tattttctctt atttctgctg tcattcatgt attagcccaa c 101

<210> 14741
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 14741
 atgtttggcca ggttgggtctc aaactcctga ccagcctaataaatccccat ctgcgtgctc 60
 tttgatcagt ttctgtttct cttgcatctt ctgcaattct gaggaggtgg gtttgttttg 120
 cattccttag aatggagggc aacattccac agctgccctg gctgtgatga gtgtccttg 180
 aggggccgga gtaggagcac tgggggtggg gcggaattgg ggttactcga tgtaagggat 240
 tccttgttgt tgtgttgaga tccagtgcag ttgtgatttc tgtggatccc agcttggttc 300
 caggaatttt gtntgattgg cttaaatcca gttttcaatc ttcgacagct gggctggaac 360
 gtgaactcag tagctgaacc tgtctgaccc ggtcacgttc ttggatcctc agaactcttt 420
 gctcttgctg ggggtgggggt gggaactcac gtggggagcg gtngctgaga aaatgtaagg 480
 attctggata 490

<210> 14742
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 14742
 ttctttgctca agaagtcaag tccgcagtga agtaccggcc atcgacctag cccgggttct 60
 agatttgggg cccatcactc ggagaggtgc acagtctccc ggtgtcatga atggaacccc 120
 tagcactgca ggggttcctg tggcctggcc tatggctctc ctgactgtcc tcctggcttg 180
 gctgttctga gagtccgctg agcatctggc cttgaagttt gtgttcttcc ctctggcaat 240
 ggctcccttc agcacttctg ctttccactc caattcacac aggccttggtt ttaacagaat 300
 caaggccagg ctaggttagg aaaaggaag agctttcacc ttctttaaaa ctctcggtcg 360
 ggcgcagtgg ctcatgcctg taatcccagc attttgggag gctgaggcag gtggatcacc 420
 tgaggtcagc agttcaaaat cagcctggcc aaaatgctga aactccgtct ctactaaaaa 480
 tacaaaaatt agccaggcat ggtggcaggc gcctgtaatc ccagctactc gggaggccaa 540
 ggcaggagaa ttgctcgaac tcagggggtg gaggttgtag ttagttgaga ttgtgccawt 600
 gcaactccagc ctgggcaaca gagcaagamt ctgtctcagg aaaaaaaaaa aaaaaaagra 660
 aagcaacata gtgggggtttc tgtcaatctg tcctcggctg cccttctcat ttg 713

<210> 14743
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 14743
 aaatctttct gaggcattct cctctttttt aagctctgag ttctagttat cctggctcag 60
 gataaaaata atcccaccac tggatatcctc ccttttttcta ctccgaggc tgcaaagtgc 120
 aacagcagac tcttctgact caggaaggcc ggtgtcctta cccacttctt gttcctccat 180
 ctccagcgga cactgctctt tcaagggcag gtctccagcc cagctctctg aaaacatttt 240
 gctgaaaata taagcaaaca tcggccttgt cctccttggtg ttcatacact gtggaagctt 300

ttctctgcct cctccgtgag agtgcggtggc cgggagacca gaaacgtggg cctttctctt 360
gcctgtgagc tgggtgcagag atggaggaag aagaatatga acaaattccc caggaggatc 420

<210> 14744
<211> 117
<212> DNA
<213> Homo sapiens

<400> 14744
ttaaaaaaaaa atcaacgaat gaattgaatg atagatttgt ctgaaaacag aactagtgac 60
cagtatgaga ggactgaaag aaaaacagaa cgtgcagttc tgggagatga tgagaag 117

<210> 14745
<211> 130
<212> DNA
<213> Homo sapiens

<400> 14745
ctctctctcc ctctccctcg agctcccggc tggetgcggc tccctggcgc tctccctctc 60
tctccggtag gctcaccgag cgatgcgagc tctgggagac agcgacgccg cctcccgcta 120
gagacctgcc 130

<210> 14746
<211> 256
<212> DNA
<213> Homo sapiens

<400> 14746
gcgagcgtgg tcacgtggcc gctgggtcacc gccgccaccc cctcccggcc tgttctcttt 60
caggtcgggc cgggcccggc cgcttccgcg agcgccctgc agactgaggg agagagagag 120
aaaagaggag gggaggagga ggaggatcag ggaataggag ytggggagcc cttctgcgcc 180
acagtgatat cagtatcaag ataaaagttt ggaatgggag aaaaattctc aaagcctgaa 240
agaaaaatctg tagtta 256

<210> 14747
<211> 395
<212> DNA
<213> Homo sapiens

<400> 14747
taggcctttt ctagcatgca cctcaaaact cttccagcct ctacccatca cccagttcca 60
aagccacttc tgcttccaca ttttagttat ttgttacagc agtaccctcc cttcttggtg 120
ccagtttttg tcttagtcca ctcaggctgc tataacaaaa taccaaaaac taggtagctt 180
ataaacaaca gaaatttatt tctgacagtt gtggaggctg ggaattacaa gatcaagatg 240
ctggcagggt cactgtcttg tgaggcctag tttctgggtg tagatggcac cttctagctg 300
tgtcctttac atggtagaag gggtagacga gctcctaggg ccttttttct aaaggcacta 360
attcactcat gaaggcttca cctcatgac ctaac 395

<210> 14748
<211> 175
<212> DNA
<213> Homo sapiens

<400> 14748

ctctctccgc cccgggtcgc tgccgcctcc gccgctttcg ggcttcgcag cctgaggaaa 60
 aaaagagaaa aagataaaaa aaatctgaaa acgcttcaaa atcctgaaaa aaaaaaagga 120
 aaagaaaaaa cgaatcctcg gagaacccgc ggggaagtca ctttcgtacg ytccc 175

<210> 14749
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 14749
 attcggagct gcgggagccg ggctggcagg agcaggatgg cggcggcggc ggctgcaggc 60
 gaggcgcgcc ggggtgctgt gtacggcggc acccgacgcg ctacgccctg cagtgtcgct 120
 tcagccccga ctccacgctc ctgcgc 146

<210> 14750
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 14750
 agggggtggg gcattcccct gcagcaaggg gcggggccac cccaacgccg cttctgcggc 60
 caaagtaggt tgggagtggg aggtggtggc tgctgtccg cagtgtggg aagatggcgc 120
 cgccggtggc agagaggggg cttaaagagc tcgtgtggca gaagataaaa gcaacagtgt 180
 ttgatgactg caagaaagaa gg 202

<210> 14751
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 14751
 kagagcgggt tgccagggcc cgaagagggc tggtgcggc ggtctcgtc ggctgtccgt 60
 tccttgctgg agaatttggc cacaaagagy tgccaagata gctgggccag gaagaaagcg 120
 ccgcagccct gaccagacg ctgttgccga ccccggggca ctctggctgt cgaccaagcg 180
 gtcgaagatg tctggcgggg ccagtgccac aggcccaagg agaggggccc caggactgga 240
 ggacaccact agtaagaaga agcagaagga tcgagcanac caggag 286

<210> 14752
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 14752
 tcttttagagt attggttggg gctcatttta tctgtagata tttaaattatt cctccaaaga 60
 gtaagttctc ctttgccttt gttaatggta tacttttagta gagaagtttt actgat 116

<210> 14753
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 14753
 atccgtcctt tcatcctggc gtttgctgc agcaagatgg cggcgggtstc aatgtcagtg 60
 gtactgaggc agacgttgtg gcggagaagg gcagtggctg tagctgccct ttccgtttcc 120

aggggttccga ccagggtcggt gaggacttcc acatggagat tggcacagga ccagactcaa 180
gacacacaac tcataacagt tgatgaaaaa ttggatatca ctactttaac tggcggtcca 240
gaagagcata taaaaactag aaaagtcagg atctttgttc ctgctcgcaa taacatgcag 300
tctggagtaa acaacacaaa gaaatggaag atggagtttg ataccaggga gcgatgggaa 360
aatcctttga tgggttgggc atcaacggct gatcccttat ccaacatggt tctaacttca 420
gtactaaaga agatgcagtt tcctttgcag aaaaaaatga atg 463

<210> 14754
<211> 194
<212> DNA
<213> Homo sapiens

<400> 14754
ttgtactgat gattgtttga aagtctgtgt gtgtcctgca cctttgtaaa tacacaattc 60
agagcaggga tgggctgggt gtgtgtcctg gttcttagtg aaaggatc tcatgtctgt 120
ttaatacatg gtgaatgcaa ctgtggaact tttgattacc tagacttagg taggtttaga 180
atgagaacat ccat 194

<210> 14755
<211> 90
<212> DNA
<213> Homo sapiens

<400> 14755
tttccttaat aataataaac tttttcagaa agaattgagt agagcaaaaa tgacaaagat 60
gtgtagctgt gttcaatatt tttttttttt 90

<210> 14756
<211> 152
<212> DNA
<213> Homo sapiens

<400> 14756
gcggggggcg gagggacgga gggaagatgg cggcaggggc cggntattgg cgccgcctcc 60
cccaatctcg gagccggcgc agatgaggca gtcggctggg gccagcggcg ctttgaacc 120
cgaggwgggg ggacctggcg gtgggrcctg gw 152

<210> 14757
<211> 199
<212> DNA
<213> Homo sapiens

<400> 14757
aggaggggtg ggggtgactg agccggaagg cctcccgggc cgtgtggtcg ccgtgggttc 60
tcggttgcca ggcagctcgc tcgttctgcg atctattgag agtggcttcc aagagccccc 120
tgcctatgtc tgggaggag ggaagatggc agccgtggcg gcaggcggcc tgggtgggaaa 180
ggggcgcgac atcagccta 199

<210> 14758
<211> 146
<212> DNA
<213> Homo sapiens

<400> 14758

ctcgggaacc ctgcagttta gacaagcatc agagtctgaa gatgacttca ttaaagaaaa 60
 gaagaaaaaa tctccaaaga agcggaagtt gaaggaaggt ggtgagaaga taaagaagaa 120
 gaaaaaagat gacacttatg acaagg 146

<210> 14759
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 14759
 ggcttttttc tyaagaggga attgtttaga ggtctgctgg ctgtataaat gtacttatta 60
 ttctgttgct agtcttatca tgggttacia tttttatta attaatTTTT atgattttac 120
 ataaggcttt tcagtaagtg gtatgcctgg gaaacatggg gagacccccg tttctgcaaa 180
 aaatacaaaa attagctggg aatgatggca catgcctgca gtatcaacta ctgtggagtc 240
 tgcagtggga ggatggcttg agcctggg 268

<210> 14760
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 14760
 acaggtctct gggtcctttt ccggtgtcct taaggttctt ggactctgca tgtgctgcca 60
 ggttgccaga tttctaagaa ggagtttgaa gaggagaaaa ggatttttgc atgttttagaa 120
 atcaaggttc aggagaatct tgacagtga tgtkctcat tacattgaat aa 172

<210> 14761
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 14761
 actttggtcg tgggcgcgtg tgtggaatgg gaggaggtcg cgctgtccat gggcgtcctt 60
 ggcctgcgcc acccagagat gataaatagc caaagacgtc aatggcacc atggacatag 120
 taagcatagt aggagctgaa aaactagaag caatgacaat gtcaactatt ttgagcaaaa 180
 agaagcagtg tcttcggaac atttgatcat aaaaccagaa attaaaggat gagaaaaaca 240
 tttttctgaa gcttatactt tcacatttcc tag 273

<210> 14762
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 14762
 tgctgggttt cgtttgga aagaatctac tcttgatatag cctaaccCCA tttataagac 60
 attaaagagga actgggctgg gcatagtaat gcctgtaatc ccagcatttt gggaggccaa 120
 ggcgagttga ttgctggagc ccaaaagttc gagaccagcc tggacaacat agtgagaccc 180
 catctctaca aaaattaaaa atgaaattag ctgggcgtga tcatagctca ctgcagctca 240
 accccctggg ctcaagcagt cctccctgcc tc 272

<210> 14763
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 14763
 acaagtcagt gtcagcttac caacatgaca ttttttcagt cagttgtggt aggccagcct 60
 tgaagccatc gcacagtcta gaaacttggt tagctgagtg tgcagctcac ctttaagggt 120
 gaagktangg taaaagcaat tagcagaggc gttatctatg tgattatggt gcttccttgt 180
 cagtatgttg aattttatag ccctttcaat gaaataaaaa aaaaatttgt atattaccaa 240
 tgtttttagt ttaaataaag agtcaccctt actactgttg aatttcatcc caagtgtaaa 300
 tcattctata atggctgtgt ctggttatagt atattacagt aactgcatgt gtca 354

<210> 14764
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 14764
 cttaaactac acttgatata atgcaatagt agatcagggt acccaacaag tgataagaat 60
 ttgcttcctt tttttttttt tttt 84

<210> 14765
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 14765
 agctcctggg ttcaagtgat ccttctgcct tggccttcca aagtgtctggg attacaggtg 60
 ttagccacca catctggcca atatgtgcag tcttgaataa gacaattacc atgtcagaga 120
 ctgctctcac aaaggang 138

<210> 14766
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 14766
 ggctttgatt gggagaaaat aagtgggaaa caagagtagc ttggacaggg ggcttggacg 60
 gccagcgcat tgaccagaag cggcccacac tacacgcgcg cgaacacaca cacacacaca 120
 cacacacaca c 131

<210> 14767
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 14767
 ctcatggca gaggcgggac cgacggtgtg tgcggaacat ggcggasgcg gcaggaagcg 60
 gccgtgcggc ccgggtgaac acggccaaag gattgagtgg cgaaaatgga agcaacagaa 120
 gaaagaggag aaaaaaaaaat ggaaggatct caagctgatg aaaaaactag a 171

<210> 14768
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 14768

gatgcaaagt	atcaactact	ttaccctacc	ttctcccctt	ttagatgggt	tcttcctgag	60
ttttggagtc	ttgtatgatt	atcagttatc	ccctgtcaaa	atcaaatacta	ttcaggtttc	120
ttcactgttg	agaacaccta	aatgttttta	tttttgagaa	gtggggacag	agtctcacta	180
tgtcaccag	gctggagtg	aatggcatga	tctcagctca	ctgcaacctt	cgccctcctg	240
gttcaagcga	ttctcctgcc	tccgcctcct	gagtagctgg	gattatagga	acacaccacc	300
acgcccagct	aattttttgt	attttttagtg	gagacagagt	ttcaccatgt	tggccaggct	360
ggtcttgaac	tcctgacctt	gtgatccacc	cacctcggtc	ttccagagtg	ctgggattac	420
aggcatgagc	caccacgctt	ggctaagaac	acctaaattt	ttatgtttct	tggctc	476

<210> 14769
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 14769						60
aagatgcatt	tggtgacaaa	atggaatttg	ccagaagtat	tgtaagaaca	attttagttt	120
ttaaaaattt	tattttttat	tatttatitt	attcatttat	ttatttttga	ttttttttta	180
aggagtcttg	ctctgttgcc	caggctggag	tgcatgtgca	ctatctccac	tactgcaac	240
catcacctcc	caggttcaag	caattcttct	gcctcagcct	cctgagtaac	tgggattaca	300
gggatgtgcc	accatgctca	gctaattttt	gtatttttag	tagagagagg	gtttcgtcat	360
gttgaccagg	ctggtctcaa	actcctgacc	tgaagtgatc	cac		420

<210> 14770
 <211> 588
 <212> DNA
 <213> Homo sapiens

<400> 14770						60
gtttagtcac	attaacgcac	acatcagttc	caggccccat	tccattctct	gaacatcttc	120
tgacacactg	acagtgtgta	gcagagcaag	gttgggttcg	ctcctctggc	agaacctcgg	180
ctctcaggag	gtccttggtc	cagggaacag	ctgcttctct	ggggctgggc	tctactccct	240
gcagccccct	gcactaccca	gctggaacca	gggacaacgc	ctgagtcctc	ccctcgtgtc	300
tattttccag	aaaacgggca	atgctgtgag	agccattgga	agactgtcct	ctatggcaat	360
gatctcaggg	ctcagtggtc	ggaaatcctc	aacagggtca	ccaaccagcc	cgctcaatgc	420
agaaaaacta	gaatctgaag	aagatgtgtc	ccaagctttc	cttgaggctg	ttgctgagga	480
aaagcctcat	gtaaaaccct	atttctctaa	gaccattcgc	gatttagaag	ttgtggaggg	540
aagtgtgtct	agatttgact	gcaagattga	aggataccca	gaccccgagg	ttgtctggtt	600
caaagatgac	cagtcaatca	gggagtcctc	cacttccaga	tagactac		660

<210> 14771
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 14771						60
gtaattatgg	aataaatcag	atttctggca	tgctgttttg	tatgacagca	aaaaaaaaaa	120

<210> 14772
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 14772						60
gtcttgattg	gggttcctga	agaggaggcc	ccctctcccc	agatagagtt	tcaccctggt	120



ggccaggatg gtctcgatct cctgaccttg tgatctgccc gcctcgccct cccaaagtgc	120
tgggattaca ggtgtgagcc accgcgcccg gcctgtcttc ttcttcctaa ggtctcactc	180
tgctgcccag gctgaagtgc agtggcacca tcacagatca ctgcagactc cacctcctgg	240
gctcaagcaa tctcctgtgc tcagcctccc gagtagctgg aactcccaag taacacacac	300
attagcatgc ccagctaattg tttaaattag ggttttaatt cacaga	346

<210> 14773

<211> 120

<212> DNA

<213> Homo sapiens

<400> 14773

attagatccc tacatcatgt catacacaaa taatacctag tagattaaag acttaagtgt	60
gaagggcaaa gctataaaaa ttttaggaga tataggagaa tatcattatg atcccaagac	120

<210> 14774

<211> 314

<212> DNA

<213> Homo sapiens

<400> 14774

catgcttcaa tgcaggccag ttgtgaattg tgatggcttt tatttctcct ggggctgtaa	60
ctttaagggt ttagaatttg gaaccacagc cttagctaatac atgacacaca cacacacaca	120
cacatgcaca cacatacaca tacacaaaagc atcacgaaga accatacaaa ttgtacatta	180
ttttacacat ggaggctcac tctaaaatag ataccatttt aaatattaac taaaacttgt	240
gctcattgta tgttcattct atatgtactg atttggttatt cacatttctt tcaaaatcgt	300
tcaaatttct agcc	314

<210> 14775

<211> 103

<212> DNA

<213> Homo sapiens

<400> 14775

cttttttgca ggacgtcacg gaggactgca ggggcctgag ccgctgctgc cgccgccgcc	60
gcgcagccca catcaacgca ccggggctcct gtcaccgtca ccg	103

<210> 14776

<211> 430

<212> DNA

<213> Homo sapiens

<400> 14776

agattttttt ccttcgccag tctcacggtt acccggggca acagctgagc cgtctgggaa	60
gggatgcata ttttcttctg tatgcttgag tcaagaactc taagtcattt tggtaatacc	120
gggttgatg cttaaagctg cagcaaaaag accagaactt tcaggaaaaa acactataac	180
caacaactca gatatggcag aagtgaagtc aatgttccgg gaagttcttc caaagcaagg	240
gccactgttt gtggaagata taatgacaat ggtgctgtgt aaacccaaac ttttaccctt	300
aaaatctctg actctggaaa aactagagaa aatgcatcaa gcagcacaga atacaattcg	360
ccaacaagaa atggcagaaa aggatcaacg gcaaataacc cactgaatga taactgagca	420
ctttagggaa	430

<210> 14777

<211> 278

<212> DNA
<213> Homo sapiens

<400> 14777
gatatgattg ncggcgartc gtggttctct tttcctcctt ggctgtctga agatagatcg 60
ccatcatgaa cgacaccgta actatccgca ctagaaagtt catgaccaa ccggtgggat 120
ggggagcaat gggaaatgaa tgcgaacagt tttttgttcg tctgtttgtt ttgtagagac 180
ggagcctcgc tctgtcaccc aggctgaagt gcagtggcgc aatcttggct cactgcaact 240
tctgcctccc agactcaaat gattctcctg cctcagcc 278

<210> 14778
<211> 229
<212> DNA
<213> Homo sapiens

<400> 14778
gatatgattg gccggcgaat cgtggttctc tttcctcctt tggtgtctg aagatagatc 60
gccatcatgg tgagtctccc tnkgcccgtg cagttatctg ccgcgtatcc gagccatccg 120
tggtccctgg gtcccagtag ttgagctata ggcacgcgaa sccggttgct cttctctggc 180
cgtttctgtc agaggatggt tgtcgagggg ctcggggctg ttggcaggg 229

<210> 14779
<211> 279
<212> DNA
<213> Homo sapiens

<400> 14779
gatatgattg gccggcgaat cgtggttctc tttcctcctt tggtgtctg aagatagatc 60
gccatcatga acgacaccgt aactatccgc ccaaggagcc accatgcctg gcctccttca 120
ctctttttat gataatctct cctagtcttg acttttggtt tcgcagcagt ggccctggct 180
tgctggtagt aaattcatca tactgccagt agtttawagt cagtgggtgtg tttctcagta 240
caagattctc tcctttcttt gtctggatgg tggctctatc 279

<210> 14780
<211> 313
<212> DNA
<213> Homo sapiens

<400> 14780
gcacgccgcc ttcgccgctg gctccgtctg ttggggggcg tacacgccgc ggtcctcgtc 60
gtggtgagcg caccactcag gctggtcctg ggggtggggc tgtaggggaa agtgctaaag 120
ccgctagggt caagtkggct cagcctgtga atcccagcac tttgggaggg cgaggcaggt 180
ggatcacctg aggtcgggag ttcaagacca gcctgaccaa catggagaaa ccccatctct 240
actagaaata caaaattagc caggcatggt ggtgcatgcc tgtaatccca gctactmggg 300
aggctgaggc agg 313

<210> 14781
<211> 289
<212> DNA
<213> Homo sapiens

<400> 14781
gcacgccgcc ttcgccgctg gctccgtctg ttggggggcg aacacgccgc ggtcctcgtc 60
gtggtgagcg crscactcag gctggtcctg ggggtggggc tgtaggggaa agtgctaaag 120

ccgctgagat ggctctgaga gattcctctg cgaatctgtt tttagctatc aagtggcatc 180
 cacgcttaaa caggtgaaac atgatacagca agttgcccgg atggaaaaac tagctggttt 240
 ggtagaagag ctggaggctg acgagtggcg gtttaagccc atcgagcag 289

<210> 14782
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 14782
 tggggcgcgc gcacgccgcc ttcgccgctg gctccgtctg ttggggggcg aacacgccgc 60
 ggctcctcgtc gtgatggctc tgagagattc ctctgcgaat ctgttttttag ctatcaagtg 120
 gcatccacgc ttaaacaggt gaaacatgat cagcaagttg ctcgatgga aaaactagct 180
 ggtttgtag aagagctgga ggctgacgag tggcggttta agcccatcga gcagctgctg 240
 ggattcaccc cctcttcagg ttgatactgc ctggatggtc acctctggtg cgcrsaagtg 300
 caaagccagt gggggacttt ctcacagctt acatagccat ccagaga 347

<210> 14783
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 14783
 aatcgaaaaa ctatctcccg ggtgaacgga gctttcgcag ctggagaagg ctcatccacc 60
 tgcagacatg gggcgagaa agtcaaaacg aaagccgcct cccaagaaga agatgacagg 120
 caccctcgag acccagttca cctgccccct ctgcaaccac gagaaatcct gtgatgtgaa 180
 aatggaccgt gcccgcaaca ccggagtcac ctcttgatgac gtgtgcctag aggaattcca 240
 gacgcccata acgtatctgt cagaaccygt ggatgtgtac agtgattgga tagacgcctg 300
 cgaggcggcc aatcagtagc gacacagagg acccgcccc tgagcagccc cgcgtactgt 360
 ggatccagct gttcggttct ggtccagaga cattccagggtg gtccagggtg tgggtcctgg 420
 gctgtmcagc cgtgtgtgtg t 441

<210> 14784
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 14784
 ctcatttttc tactgntcgt ggtaagtggc ttcgtggtct ttatagctgt tactcttttg 60
 tactttgtcw ttttctttta ttttcttttg agcgattgtg cgaacatagc atagcacgca 120
 ctatgccttc tgtgtttag ctgcctggcc agggcgactk gcggataagg tyttrtgcgt 180
 ggsctcsaag gcttaaaagt tagcagtggg ggctttgtra aggacaaaat ggcgatggcg 240
 ggccgtgtag gtcccccttc ctatgatgag gaccttttca cagacctgta ctgagctccg 300
 tgaggataaa taactctgag gagatgggcc ctgcaagcct cttgcttagc cgtctgttca 360
 raaaatagcg ttttcgaaat gccctgaagt tgacctaatg tcttattggg stcctgtctg 420
 gcaggattta cgcgcamgtk nggaascgaa gagaagctct gttgttgacg taagttctta 480
 cggscsattt cttaatctct gswctttcgt tgag 514

<210> 14785
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 14785

tattagactt	gctattttta	ataccatcat	ctaggaaaag	aaaagtggca	gattttat	60
ctgacttttt	tcacacacac	agcagcacca	atggcaacaa	ctaaagcaaa	aactatctct	120
tgagtctcag	aaataaaactt	tgtcccgaca	ctttgaattt	ttagttgaac	aaagcatttc	180
actgtcattt	aaaatctctc	aagtggcact	tgaaggcaag	caagtcggga	actttgagac	240
cagcatttga	atttggttcc	atgatactgt	acttggcttt	ccatacttgg	ttggggacag	300
agatgattct	gagaattact	aatagtacac	g			331

<210> 14786

<211> 1033

<212> DNA

<213> Homo sapiens

<400> 14786						60
cccaaactca	ccacctggcc	gtggacacct	gtgtcagcat	gtgggacctg	gttctctcca	120
tcgccttgtc	tgtgggggtgc	actggaatag	ccaggtcttg	ctgggtcggc	acaacctgtt	180
tgagcctgaa	gacacaggcc	agagggtccc	tgtcagccac	agcttcccac	acccgctcta	240
caatatgagc	cttctgaagc	atcaaagcct	tagaccagat	gaagactcca	gccatgacct	300
catgctgctc	cgctgtcag	agcctgccaa	gatcacagat	gttgtgaagg	tcctgggcct	360
gcccaccag	gagccagcac	tggggaccac	ctgctacgcc	tcaggctggg	gcagcatyga	420
accagaggag	ttcttgcccc	canagaaact	tcagtgtgtg	gacctccnat	gnttatttcc	480
aatgacgtgt	gtgcgcaagt	tcacctcag	aaggtgacca	agttcatgct	gtgtgctgga	540
cgctggacag	gggcaaaaag	cacctgctcg	ggtgatctgg	gggccactt	gtctgtaatg	600
gtgtgcttca	aggtatcacg	tcattggggca	gtgaaccatg	tgccctgccc	gaaaggcctt	660
ccctgtacac	caagtggtg	cattaccgga	agtggatcaa	ggacaccatc	gtggccaacc	720
cctgagcacc	cctatcaact	ccctattgta	gtaaaacttg	aaccttgga	atgaccaggc	780
caagactcaa	gcctccccag	ttctactgac	ctttgtcctt	aggtgtgagg	tccaggggtg	840
ctaggaaaag	aaatcagcag	acacagggtg	agaccagagt	gtttcttaaa	tggtgtaatt	900
ttgtcctctc	tgtgtcctgg	ggaatactgg	ccatgcctgg	agacatatca	ctcaatttct	960
ctgaggacac	agataggatg	gggtgtctgt	gttatttggg	gggtacagag	atgaaagagg	1020
ggtgggatcc	acactgagag	agtggagagt	gacatgtgct	ggacactgtc	catgaagcac	1033
tgagcagaag	ctg					

<210> 14787

<211> 1032

<212> DNA

<213> Homo sapiens

<400> 14787						60
cccaaactca	ccacctggcc	gtggacacct	gtgtcagcat	gtgggacctg	gttctctcca	120
tcgccttgtc	tgtgggggtgc	actggaatag	scaggtcttg	ctgggtcggc	acarcctgtt	180
tsakcctgaa	gacacaggcc	aggtatttca	ggtcagccac	agcttcccac	acccgctcta	240
cgatatgagc	ctcctgaaga	atcgattcct	caggccaggt	gatgactcca	gccacgacct	300
catgctgctc	cgctgtcag	agcctccgag	ctcacggatg	ctgtgaagg	catggacctg	360
cccaccag	agccagcact	ggggaccacc	tgctacgcct	caggctgggg	cagcattgaa	420
ccagaggagt	tcttgacccc	aaagaaactt	cagtgtgtgg	acctccnatg	nttatttcca	480
atgacgtgtg	tgcgcaagtt	cacctcaga	aggtgaccaa	gttcatgctg	tgtgctggac	540
gctggacagg	gggcaaaaag	acctgctcgg	gtgatctggg	ggccccactt	tctgtaatgg	600
tgtgcttcaa	ggtatcacgt	catggggcag	tgaaccatgt	gccctgccc	aaaggccttc	660
cctgtacacc	aagtggtg	attaccggaa	gtggatcaag	gacaccatcg	tgccaacccc	720
ctgagcacc	ctatcaactc	cctattgtag	taaacttgga	accttgga	tgaccaggcc	780
aagactcaag	cctccccagt	tctactgacc	tttgtcctta	ggtgtgagg	ccaggggttc	840
taggaaaaga	aatcagcaga	cacagggtga	gaccagagt	gttcttaaat	ggtgtaattt	900
tgctcctctc	gtgtcctggg	gaatactggc	catgcctgga	gacatatcac	tcaatttctc	960
tgaggacaca	gataggatgg	ggtgtctgtg	ttatttgtgg	gggtacagaga	tgaaagagg	

gtgggatcca cactgagaga gtggagagtg acatgtgctg gacactgtcc atgaagcact 1020
gagcagaagc tg 1032

<210> 14788
<211> 350
<212> DNA
<213> Homo sapiens

<400> 14788
aaatcatcgt ctccatttca gaagaagaac caaaacacat ctgatctgct cttaaaggaa 60
actcaattgt gacaagcaga ggaaactaaa gaggtaagag tatttccttg ctagtggtag 120
aattggctct agaaccagaa aggttaaatt ataaatcttt ggcaaaacac agctttcttt 180
acgtcatttt cctctgggac tagatgagaa acagctgggt atttggctag agaaaccgct 240
ggaaaaactc acgttggtta acaacacttc tcccagacct tcacatgggt attgcagtnc 300
atctcagctc taatgccacc tcctcagagt ctctttctct gacactcaac 350

<210> 14789
<211> 415
<212> DNA
<213> Homo sapiens

<400> 14789
gtagcggcca cggtgatctg cgatacgcgt gtttgcccag tgagtggccc cggactgcta 60
cgtgggactg cggtgaakka acccagaagg tggagaggaa ccgttctcgg tgcacagagg 120
cggtcttgca gcccggtgag ggcgccctgct gctcccgggc agtgctttcc ccaagtagtc 180
cgatggctgc ggctgcgcgc aggcgcacct ctcagggcac agtgactttt gaagacgtgg 240
ctgtgaaatt taccacaggag gaatggaatc tccttagtga ggctcagaga tgctgtacc 300
gtgatgtgac tctggagaac ctggcactta tgtcctccct gggttggttg tgtggagtgg 360
aaratgagcn gamcttctaa gcagagtatt tatatacaaa gagagactca ggtca 415

<210> 14790
<211> 421
<212> DNA
<213> Homo sapiens

<400> 14790
taagttttat aaaagacatg aaattgagtc attttatata tgaaaactaa gttctctatc 60
ttaggagtaa tgtcggccca caagggtgcc cacctcttgt tttccccttt taaaaactca 120
gattttttaa agccctttcc aaagggttca actgtaaaat acttcttttt acaatgtatc 180
aacatatttt tatttaaggg gaattaacaa ttgccaggga aaccagccaa cccaagtta 240
ttatatcatt aaccttatca taaattcaaa cctaagttgc tggacctgg tgtgaggaca 300
taaactctcc aaagttttgc ctatcctaag agctgcattt ttctactgct ctttaccttg 360
cattttagct aatttaggag ttttgagaat gtattggata cgcycagtac ataaggagtt 420
g 421

<210> 14791
<211> 410
<212> DNA
<213> Homo sapiens

<400> 14791
tgagtttggg gctttttgtt tattgtttga taagactttt tattaagtaa ttgctgagca 60
aaaactttgt aaaaactcat gtaacagtac tccagtcanc sccccaaggc ctcgtacccc 120
tgcttcccc tacacctcca tatccccacc aaaaggtcca tctggctcct ggtgctcagc 180

cagtgcctta	ttttctttga	cctgacagca	ctgggtggta	gggaaggtat	tgtctggagg	240
agcagggttg	acagtgccac	cgttccctca	tacgcctgca	gggctgggg	ttggggcagc	300
agtaggtcaa	gtctggttcc	tcaaggtctc	ctattctcag	tagcaaaaag	cagccggtgg	360
gggtgggggtg	taatggctta	aagctttcaa	cagctgtccc	caactgggcct		410

<210> 14792
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 14792						60
atctttcttc	gggggaagcc	agctacaaag	tcatgagggc	actcaagtag	acagtggaaa	120
aactcatgtg	aaaagggacc	aaggcctcct	gacaacagtc	agcaccaact	tgcagccatg	180
aatggcatgt	ggaatttgat	tcaaaataat	ctagaaggag	caagtagagc	aagtacaaac	240
aaaagactac	tgtctacgag	gtgataactg	ttcaagctga	gatatggata	catggaataa	273
tctggataac	ataaaatgtg	gagtgtctctg	ttg			

<210> 14793
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 14793						60
tatacagata	atcggagggc	acgttcccat	aggtgaagcc	cgacaggaga	cataagactt	120
tgctgttggc	catgtcttca	tcagtggctg	gagacacggc	cagaacggca	agagtgtcca	180
gtatgtaaag	ctgggatcag	cagagagaag	gttgtcccg	tttatggcg	agggagccag	240
aagccccagg	atcccagatt	aaaaactcca	ccccgcccc	agggccagag	accagctccg	300
gagagcagag	ggggattcca	gccatttggt	gataccgggg	gcttccactt	ctcatttggt	360
gttggtgctt	ttccctttgg	ctttttcacc	accgtcttca	atgccccatga	gcctttccgc	420
cggggtacag	gtgtggatct	gggacagggg	caccagcct	ccagctggca	ggattccctc	427
ttcctgt						

<210> 14794
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 14794						60
aaattttcct	ctgcaagtgg	agcatctgct	aggatcaata	gcagcagtgt	taagcaggaa	120
gctacattct	gttcccaaag	ggatggcgat	gcctctttga	ataaagccct	atcctcaagt	180
gctgatgatg	cgtctttggg	taatgcctca	atttccagct	ctgtgaaagc	tacttcttct	240
ccagtgaaat	ctactacatc	tatcactgat	gctaaaagt	gtgagggaca	aaatcctgag	300
ctacttccaa	aaactcctat	tagtcctctg	aaaacggggg	tatcgaaacc	aattgtgaag	360
tcaactttat	cccagacagt	tccatccaag	ggagaattaa	gtagagaaat	ttgtctgcaa	420
tctcaatcta	aagacaaatc	tacgacacca	ggaggaacag	gaattaagcc	tttcttgaa	480
cgctttggag	agcgttggtc	agaacatagc	aaagaaagtc	cagctcgtag	cacacccac	531
agaacccccca	ttattactcc	aaatacaaag	gccatccaag	aaagattatt	c	

<210> 14795
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 14795

ggaagttgct	ttgttttgc	tcgagatggc	tgcggggatg	tatttggaac	attatctgga	60
cagtattgaa	aaccttcct	ttgaattaca	gagaaacttt	cagctcatga	gggacctaga	120
ccaaagaaca	gaggggtggac	aaactcggat	gaagaagccc	ccaagactgc	ccagaagaag	180
ttaaagctcg	tgcgcacaa	tcctgagtat	gggatgccct	cagtgcactt	tggcagtgtc	240
caccctctg	atgtgttga	tatgcctgtg	gatcccaacg	aaccaccta	ttgcctttgt	300
caccaggtct	cctatggaga	gatgattggc	tgtgacaccc	tgattgttcc	attgagtnnt	360
tccattttgc	ctgtgtgggg	ctgacaacca	a			391

<210> 14796

<211> 540

<212> DNA

<213> Homo sapiens

<400> 14796						
ggaagttgct	ttgttttgc	tcgagatggc	tgcggggatg	tatttggaac	attatctgga	60
cagtattgaa	aaccttcct	ttgaattaca	gagaaacttt	cagctcatga	gggacctaga	120
ccaaagaaca	gagggnggac	aaacacattc	ggcggttgga	cacagacctg	gcccgttttg	180
aggctgatct	caaggagaaa	cagattgagt	caagtgacta	tgacagctct	tccagcaaa	240
gccggactca	aaaggagaag	aaagctgctc	gtgctcggtc	caaagggaaa	aactcggatg	300
aagaagcccc	caagactrcc	cagaagaagt	taaagctcgt	gcgcacaagt	cctgagtatg	360
ggawgccctc	agtgcacttt	ggcagtgtcc	accctctga	tgtgttggtg	atgcctgtgg	420
atcccaacga	acccacctat	tgccctttgtc	accaggtctc	ctatggagag	atgattggct	480
gtgacaccct	gattgttcca	ttgagtnntt	ccattttgcc	tgtgtggggc	tgacaaccaa	540

<210> 14797

<211> 475

<212> DNA

<213> Homo sapiens

<400> 14797						
ctttcttttc	agtcgggccc	tgagtgggtt	ttcggatcat	gtctggtggc	tccgcggatt	60
ataacagcag	aacatggcgg	cccagaggga	atggacccc	atggtgtcat	cgagagcaac	120
tggaatgaga	ttgttgataa	ctttgatgat	atgaatttaa	aggagtctct	ccttcgtggc	180
atctatgctt	acggttttga	gaagccttcc	gctattcagc	agagagctat	tattccctgt	240
attaaagatc	caaaaggtaa	ttctggcact	tggagactat	atgggagcca	cttgtcatgc	300
ctgcattggt	ggaacaaatg	ttcgaaatga	aatgcaaaaa	ctgcaggctg	aagcaccaca	360
tattgttggt	ggtacacccg	ggagagtgtt	tgatatgtta	aacagaagat	acmtttctcc	420
aaaatggatc	aaaatgtttg	ttttggatga	agcagatgaa	atgttgagcc	gtgggt	475

<210> 14798

<211> 397

<212> DNA

<213> Homo sapiens

<400> 14798						
ctttcttttc	agtcgggccc	tgagtgggtt	ttcggatcat	gtctggtggc	tccgcggatt	60
ataacagcag	aacatggcgg	cccagaggga	atggacccc	atggtgtcat	cgagagcaac	120
tggaatgaga	ttgttgataa	ctttgatgat	atgaatttaa	aggagtctct	ccttcgtggc	180
atctatgctt	acggttttga	garkncttcc	gctattcagc	aaagagcgta	tgggttgtct	240
gcaatgtggg	tggggtgagt	ggggagagrg	cgtgggtggg	tagaaatcag	ctaacagagc	300
actttatcac	tcagtgcggg	agtgtagaat	ttattttaaa	tattttggga	agacttttagg	360
gatttaatca	tggagaagag	tgggcgttgg	aggtggg			397

<210> 14799

<211> 351
 <212> DNA
 <213> Homo sapiens

<400> 14799
 ctttcttttc agtcgggagc tgagtgggtt ttcggatcat gtctggtggc tccgcggatt 60
 ataacagaga acatggcggc ccagagggaa tggaccccga tgggtgcatc gagagcaact 120
 ggaatgagat tgttgataac tttgatgata tgaatttaaa ggagtctctc ctctgtggca 180
 tctatgctta cggttttgag aagccttccg ctattcagca gagagctatt attccctgta 240
 ttaaagggta tgatgtgatt gctcaagctc agtcaggtagc tggcaagaca gccacatcat 300
 accctttaat acaggggaata atagctctct gctgaatagc ggaaggcttc t 351

<210> 14800
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 14800
 ctttcttttc agtcgggagc tgagtgggtt ttcggatcat gtctggtggc tccgcggatt 60
 ataacagga tgcagtcgt tggcggtcgc ggtctgtagt gaaggtcata gggcgccagg 120
 ggagatgata gtggatggca mggaggcaaa aactctaaat taatggacgt tttcttaggg 180
 tacagcactc ctgtgccctt ccagaagctt ccatgatggs tagggcccgg attgtgggga 240
 g 241

<210> 14801
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 14801
 ctttcttttc agtcgggagc tgagtgggtt ttcggatcat gtctggtggc tccgcggatt 60
 ataacagaga acatggcggc ccagagggaa tggaccccga tgggtgcatc gagagcaacc 120
 agacatgatc cgaaaaacca ctcatcgccc ttacc 155

<210> 14802
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 14802
 agaaccagct gtctgagctg cccgggagc gwgggagcag cgagcgggct tccgcgagcc 60
 ggagaaggca caggcctgtc ccgggtccc gtaggtctgc gcgtctgttc ccagcgctct 120
 ggaggcctaa aaag 134

<210> 14803
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 14803
 agaatcagct gtctgagctg cccaggcggc gggggagcag cgagcgggct tcagcgagcc 60
 gcaggaggca caggcctgtc ctgggtcccc gcaggtctgc gcgtctgtwg ttcccagcgc 120
 tctgagaggc ctgaaaagga agagcaacct gtccagaatc cccgcaggaa aggaaaagga 180
 ggggaaatct cgacatggaa aaactcttca atgaaaatga aggaatgcct tcgaatcaag 240

gaaagataga caatgaagaa cagccaccgc acgagggaaa gccagaagta gcttgatttc 300
tgga 304

<210> 14804
<211> 182
<212> DNA
<213> Homo sapiens

<400> 14804
gataatctga cactatggac ttcagacatg caggggtgacg attcctaaag gaaaacccaa 60
ctcttccttt cctaaaaact ctactttgtg aagagcagaa taaagaagcg ctgcaggacg 120
tggaagacga aaatcagtga gacataagcc aacaagagaa accatctctg accaccccct 180
cc 182

<210> 14805
<211> 100
<212> DNA
<213> Homo sapiens

<400> 14805
taccatggag attaacaatg aacattccac atttataaca atctagtttt aataccagtt 60
ttgtctcagt atcatataaa aactctgctc ctatccagct 100

<210> 14806
<211> 454
<212> DNA
<213> Homo sapiens

<400> 14806
ttaagacaga agctgatgca gagaaaacct ttgaagaaaa gcaggggaaca gagatcgatg 60
ggcgatctat ttccctgtac tatactggag agaaagggtca aaatcaagac tatagaggtg 120
gaaagaatag cacttggagt ggtgaatcaa aaactctggt ttttaagcaac ctctcctaca 180
gtgcaacaga agaaactctt caggaaagtat ttgagaaagc aacttttatc aaagtacccc 240
agaacaaaaa tggcaaatct aaaggggtatg catttataga gtttgcttca ttcgaagacg 300
ctaaagaagc tttaaattcc tgtaataaaa gggaaattaa gggcagagca atcaggctgg 360
agttgcaagg acccagggga tcacctaata ccagaaagcc agccatccaa aactctgttt 420
gtcaaaggcc tgtctgagga taccactgaa gaga 454

<210> 14807
<211> 421
<212> DNA
<213> Homo sapiens

<400> 14807
ctttttttga caagatggcg gcaggaggca gtggcggttg tgggaagcgc astcgaaaag 60
cgatgccgat tctggtttcc tggggctgcg gccacttcg gtggacccag cgctgaggcg 120
gcggcggcga ggcccaagaa ataagaagcg gggctggcgg cggcttgctc aggagccgct 180
ggggctggag gttgaccagt tcctggaaga cgtgcggcta caggagcgca cgagcgggtg 240
cttggtgtca gaggcccaa atgaaaaact cttcttcgtg gacactggct ccaaggaaaa 300
agggctgaca aagaagagaa ccaaagtcca gaagaagtca ctgcttctca agaaacccct 360
tcgggttgac tcattcctga gaacacatcc aragtccctg ccccaaaaga cgtcctcgsc 420
c 421

<210> 14808

<211> 602
 <212> DNA
 <213> Homo sapiens

<400> 14808
 aagtcgtnnc gggagggaga cgcagaggcg gacaagatgg cggcggcagc tgtacagggc 60
 gggagaagcg gtggtagcgg aggctgtagt ggggctggtg gtgcttccaa ctgcgggaca 120
 agatggcggc ggcagctgta cagggcgagg gaagcgggtg tagcggaggc tgtagtgggg 180
 ctggtggtgc ttccaactgc gggacaggaa gtggccgtag cggcttggtg gataagtgga 240
 agatagatga taagcctgta aaaatkgaca agatggcggc ggcagctgta cagggcgagg 300
 gaagcgggtg tagcggaggc tgtagtgggg ctggtggtgc ttccaactga gggacaggaa 360
 gtggccgtag cggcttggtg gataagtgga agatagatga taagcctgta aaaattgaca 420
 agtgggatgg atcagctgtg aaaaactcct tggatgattc tgccaaaaag gagaagagca 480
 tctttctcgt ggcccacagg aaagatccta caggaatgga tcctgatgat atttggcagc 540
 tgtcctccag tcnkaaaagg tttgatgaca aatacacctt gaagctgacc ttcacagta 600
 gg 602

<210> 14809
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 14809
 aagtcgtnnc gggagggaga cgcagaggcg gacaagatgg cggcggcagc tgtacagggc 60
 gggagaagcg gtggtagcgg aggctgtagt ggggctggtg gtgcttccaa ctgcgggaca 120
 agatggcggc ggcagctgta cagggcgagg gaagcgggtg tagcggaggc tgtagtgggg 180
 ctggtggtgc ttccaactgc gggacaggaa gtggccgtag cggcttggtg gataagtgga 240
 agatagatga taagcctgta aaaatkgaca agatggcggc ggcagctgta cagggcgagg 300
 gaagcgggtg tagcggaggc tgtagtgggg ctggtggtgc ttccaactga gggacaggaa 360
 gtggccgtag cggcttggtg gataagtgga agatagatga taagcctgta aaaattgaca 420
 agtgggatgg atcagctgtg aaaaactcct tggatgattc tgccaaaaag gtacttctgg 480
 aaaaatacaa atatgtggag aattttggtc taattgatgg tcgcctcacc atctgtacaa 540
 tctcctgttt ctttgccata gtggctttga tttgggatta tatgcacccc tttccagagt 600
 ccaaaccgt tttggctttg tgtgtcatat cctattttgt gatgatgggg attctgacca 660
 tttataacctc atataaggag aagagcatct tt 692

<210> 14810
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 14810
 taaagtcagt gacgaggaac tcccgagacg tgtaatgaca ccacacttgt tttctttggt 60
 tctttgtttt atttaggcaa gaagagggtg gagtaattga ggaaaaactg acagatgctt 120
 ttgctaatac caaaattgag cttacaatta ggaactgagt atgtgtaaca ggatacaggt 180
 gacagtgaag atagaagaac cacgatgacc acagactcaa tgtgctctgt aacatcgac 240
 agtttaccga gcatgacttt ccttaggagg cccctcctc acgctagagt aaaagtccca 300
 gttaagtga 309

<210> 14811
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 14811
 cagatgacag gggatgaatca gagcgacatc gaggggatca gtctagggtt cgaagaccag 60
 aaacattgag atcctctagt agaaatgaac atggcattaa atctgatagt tcaaaaactg 120
 ataaactaga acgaaaacac aggcattgaat caggggactc aagggaaaga ccatcttctg 180
 gggaacaaaa atcaagacc tg 202

<210> 14812
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 14812
 aaaaggccgc gyntgcgang ccaatgagcg actcgctttc cgtgcggtgc ggcgagtgcg 60
 gcccgggtct tccctcctct cctgccgcag ggccagaacc cctgacggta ttcagctgcg 120
 cgtaagtctg gccgggtgcc tctgtctccg caatgcccc caagaaacag gctcaggccg 180
 ggggcagcaa aaaggcggag naaaaaaaga aggagaagat tatcgaagac aaaactttcg 240
 gtttgaagaa taagaaagga gcaaagcaac agaagtttat caaggctgtc acacatcaag 300
 ttaaatttg tcaacaaaat ccacgtcagg tagcacagag tgaagctgaa aagaaattga 360
 agaaggatga caagaagaaa gaattgcagg agctaaatga gctgttcaaa ctgtagttgc 420
 tgctcaraaa ataagtaaag gtgcagatcc caagtctgta g 461

<210> 14813
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 14813
 agatgcagag ctgtagccaa tcgagtgatt ttgggttttt acttctgtca tcagtgtata 60
 aaaactgcag ctcatgctgc tggatagagc tctgtgaacc tcttctgggt gtgagtgtcg 120
 cctgattcgt gagtngtttg ttgctcagtg ttcttgaagt cattacttac tgagaaaaga 180
 atcactatcc aagatgaaaa atcaggaaact tcaacaacag ctcttttatt tccatttcta 240
 cttctgttgg aaataccaaa atatttgtag actggatcca aatcaggagc ccagatgaac 300
 ttaaagaagc 310

<210> 14814
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 14814
 cattctttat aaaccataaa ataaataatc tcatccccaa actgtagtaa ttgttacaat 60
 tttctattta aaaaatgaat agtacatgca gaaattgacc tgatttccat ttgcaacagg 120
 aagacactgg ctttacctgg gttcaattgg acaattattt ttgctctgct ctgttttgca 180
 tggagtatta ttattttaaa aattgcattt ttacctttca tgtgcctgaa ggctatccac 240
 tacattctga aggccttgtt aaaatccaag ctgctcattt cactattctg tttctgagtg 300
 agaagataaa aactgcccatt tgtaacttat ttcagggttaa attaaaccaa ggagtctgat 360
 tgcaggaagg gaagagcatg taagaaataa gtttttttaa agtggttattt tgtataaatg 420
 ggaagaaaga ttcaattaag tkattaacat ttgggacctg gataattata tcagagtatg 480
 tcagtccaat aaattattta actaattaar aaatagttgc aaagcatttg agctgtgggt 540
 gaggaagtgg tgtaaagtgc atccattagg aatgatgcac tttcatt 587

<210> 14815
 <211> 472
 <212> DNA

<213> Homo sapiens

<400> 14815
catttgata tgtctgttga ttaaagcatt cgaaatgtta tcttagaatt tttcacccaa 60
ctgcttggtt tcaaagatct taagtgaata actgcctcct ggtcaatacc aaatttgtag 120
agagtgtgaa gtggagkttt tatgcttctg tcaaacttcc atccatctaa tactgtacct 180
gtgtcatatt ttattccttt gtagtcttct aaggaattgg aagtttctgt atgatgctgt 240
ttactagtgt taaaatagac tatcagaggg aaaaggcctc tctagtattt ttttgaaaaa 300
tgctccaggt cttaataatt ttcattttca ttcattcttag ttttagaatt gtcasctcag 360
tctgattttc acaatccttt ttgctaaaag ttggaagtgg gaattagcag acgatttggg 420
ataaggaaag aggaatgatg ttatatattac ccttaggaat agaagtgacc ga 472

<210> 14816

<211> 482

<212> DNA

<213> Homo sapiens

<400> 14816
gaaaggtcat agtcctgttt ggcggccatt tctcttgaaa ctgcggtctg ggacctgcgg 60
tacctgctgt agtcacgagg gacgggaggc ggcctggctg gcagagagta gcctgcaaca 120
ttcgccgtg gttacgatga gtttaccctt caatcccaaa cctttcctca atggactaac 180
aggaaagcca gtgatggtga aacttaagtg gggaatggag tacaagggtc atctgggtatc 240
tgtagatggc tacatgaaca tgcagcttgc aaatacagaa gaatacatag atggagcttt 300
gtctggacat ctgggtgaag ttttaataag gtgtaataat gtcctttata tcagagggtgt 360
ggaagaagag actacgcccc gtctctacta caaatacaaa aattagttgg gaatggaggc 420
gtgcacctat aatcccagct actcgggagg gtgaggcagg agaatacatt gaaccaggga 480
gg 482

<210> 14817

<211> 412

<212> DNA

<213> Homo sapiens

<400> 14817
gaaaggtcat agtcctgttt ggcggccatt tctcttgaaa ctgcggtctg ggacctgcgg 60
tacctgctgt agtcacgagg gacgggaggc ggcctggctg gcagagagta gcctgcaaca 120
ttcgccgtg gttacgatga gtttaccctt caatcccaaa cctttcctca atggactaac 180
aggaaagcca gtgatggtga aacttaagtg gggaatggag tacaagggtc atctgggtatc 240
tgtagatggc tacatgaaca tgcagcttgc aaatacagaa gaatacatag atggagcttt 300
gtctggacat ctgggtgaag ttttaataag gtgtaataat gtcctttata tcagagggtgt 360
ggaagaagag gaagaagatg gggaaatgag agaatagcatt cttttgtggg gg 412

<210> 14818

<211> 348

<212> DNA

<213> Homo sapiens

<400> 14818
ctatttcctat gagaaatgag aattatttat ttgccatcaa cacattttat actttgcatc 60
tccaaattta ttgtggcgag acttggtccat tgtgaaagt agagaacatt atgtttgtat 120
catttctttc ataaaacctc aagagcattt ttaagccctt ttcattcagac ccagtgaata 180
ctaaggatag atgttttaaaa actggagggtc tctgtataag gagaacacaa tccaccattg 240
tcatttaagt aataagacag gaaattgacc ttgacgcttt cttgttaaat agatttaaca 300
ggaacatctg cacatctttt ttccttgtgc actatttgtt taattgca 348

<210> 14819
<211> 461
<212> DNA
<213> Homo sapiens

<400> 14819
gacgcgcgcg gtgcgacgtc aacgcagccg ggcgagtttt accgatctgt gttccgcggc 60
ccggccgcgg ctgagtcctc ccagggtcag ggtcaggcgc tttgctgagt ccctttgtgg 120
ccgccatgga caattccggg aaggaagcgg aggcgatggc gctgttgcc gaggcggasg 180
caaagtgaag aactcgcagt ccttcttctc tggcctcttt ggaggtcat ccaaaataga 240
ggaagcatgc gaaatctacg ccagagcagc aaacatgttc aaaatggcca aaaactggag 300
tgctgctgga aacgcgttct gccaggctgc acagctgcac ctgcagctcc agagcaagca 360
cgacgcagcc acctgctttg tggacgckgg gcaacgcatt caagaaagcc racccccaag 420
argccattaa ctgtttgatg cgagcaatcg agatctacac a 461

<210> 14820
<211> 410
<212> DNA
<213> Homo sapiens

<400> 14820
acacacccca gtacaccagc agaggaaaact tataacctcg ggaggcaggt ccttccctc 60
agtgcggtca catacttcca gaagagcggg ccagggtcgc tgccagcacc tgccactcaa 120
gaagcgcctc tgcgctggg acccttcagg taggacagct cccaacgctg tggggactct 180
cagcaaaaact tctccttctc ttccaaggct ctgcttcttc tgacctcatc ttagttttgc 240
tttttctttt cttccttcgc tatttttcta tgatcctcta agaaccaagt ccttgaaact 300
tttggtcaa agtgataca gagacaactt tttctagaaa gttcagaaaa gtgtattttg 360
aggacggagt ctggggaaat caatgggatg gggctaaaat cgtgcctggc 410

<210> 14821
<211> 350
<212> DNA
<213> Homo sapiens

<400> 14821
atgatttaca agcatcatgg atcaaccaag ttacacgggg ttacactggt aatcatgggt 60
tcttcccttc ttctgagtga atgttaacat gcgcattttg tggctgattt caaatgcagt 120
ccagtgagaa attacagggt ccttttgaag ctcaactggt gccaggagat ggaatatcaa 180
tgcccaacag ggcaaccaat aaaagtgtca ctaagaatat aaatatttgg aatcagcaaa 240
aactgtagtg ttacaggaaa cagtacagtc ttctgaacac ccagatcata gaggtgatga 300
tgttactagc cccaactac tcagtataat tattgtctga atgcaaagta 350

<210> 14822
<211> 252
<212> DNA
<213> Homo sapiens

<400> 14822
taatttatta taaatgcagt tgtaagtgat aaattcatct ctttaaaact attttaaaat 60
tctgatttat cactagtctt aactatcctt ccatcagtc ttcctaaagta atgggtctgta 120
atgagaaatc actatgtata attatacaca ataaaaatat atacaacagg tattttgata 180
atatgataat taaaaccaa tatagtcatt gaggcttaga atttttaaaa actgtattat 240
atattgtaaa ag 252

<210> 14823
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 14823
 agagttatgc tagtgtcata aatgcatcag gaaacatcag tggaaatggt gtggtaggta 60
 ccttcagggc ctcatctctc ccaagaaaca ctgaaaaatc ttgcaaaaaac tgtcagaagc 120
 t 121

<210> 14824
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 14824
 gttttgatat aatcttggct tcttaaaaaac tgtgtatcat taaaatatat gttctgcaag 60
 aattaaaact gagtccatga aaataccata ggaagacata aacttttaaaa ggcaactcaa 120
 agatgatgga aacgcactta caagtgggtga ccaaaatttt taggtgaagt cgagcactct 180
 aattagagaa ctggaggaac cacatataac acttaacttc ccctaccctg cccctcccca 240
 aaagaaacca tgacaaacct agctttttaa aaatatttta agaaagagaa tgaactgtgg 300
 aattttattgg cagccaagga atgtgtccaa gacacatgct gaggttttga ataaaaagtg 360
 aacttttcta atttgaattg ggtcccgtt agttcttgaa ttgttatgaa aatcctatat 420
 ctgtttgwat atttgcaaac cctttgwatn ataattgtkg awattttccc ttttwaaaaa 480
 ataccattga wwt 493

<210> 14825
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 14825
 ttinctggctt gggaaccaca tcgcccagacc gtgctcttta tttttcgggtg gagcagctct 60
 gctttctcag gtctctactt acttatataa gatggcatca agaagaagga cctgaccact 120
 ggcccctgac tacatgggtct ttggaaccck ykngcattgr aagatgtcag agacatggca 180
 cakggawgtg atcttcaaaa actgttacag cctcatctca ttgggtgagt acagtctctc 240
 caatgccana atatgtagga tcatgagatt tacaagtgtt catctgagac tgagctttga 300
 gtttagggac cagagacaag atatttctgt actaaacaga tgatagtcct tttctttarn 360
 nctttgtaaa tagtcttact ttgttacctt agaagtatca acatttctct atcgcagaat 420
 ttctgaagac tacttagg 438

<210> 14826
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 14826
 ttinctggctt gggaaccaca tcgcccagacc gtgctcttta tttttcgggtg gagcagctct 60
 gctttctcag gtctctactt acttatataa gatggcatca agaagaagga cctgaccact 120
 ggcccctgac tacatgggtct ttggaaccck tggcattgra agatgtcaga gacatggcac 180
 atggatgtga tcttcaaaaa ctgttacagc ctcatctcat tggattggtc tacacatcaa 240
 ggtgctggaa gtgtcgcagc cccagagatg atgtggaagc tctatacccc tttcccttct 300
 gccacacttg ccctgtgcat ctcttctctga atggcttctc ctgaattgta tcctttataa 360

taaactggta aataggaaag agataatc ttctacttaa tcttgatac tatatctgar 420
gtcaga 426

<210> 14827
<211> 413
<212> DNA
<213> Homo sapiens

<400> 14827
tcttttgctc tctatggta ggagcgcaac ctctcttcgg cccggaaaga ttttaagttcg 60
tgaatgcata cgcaagactc ggaggtagtt ccggttcgg cgtggccatt ttcgttggtg 120
gtgttcagtt gtggcggttg ctggtcagta acagccaaga tgctgcggaa tctgctggct 180
cttcgtcaga ttgggcagag gacgataagc actgcttccc gcagcatttt aaaaataaag 240
ttccggagaa gcaaaaactg ttccaggagg atgatgaaat tccactgtat ctaaagggtg 300
gggtagctga tgccctcctg tatagagcca ccttgatag tttgcaaatt attttawncc 360
atcctgtggg ttgtctctcc actttgttgg ttgttttctt tgctgtgcag att 413

<210> 14828
<211> 421
<212> DNA
<213> Homo sapiens

<400> 14828
acgcgcaact tccgggacag aggctgtggc tggaaggagc tgggcatccg gcctgaggcg 60
casggtcgcg ttagttcggc ccaatggcgg caccgtgct tcacacgttg tttgtcggga 120
gatgcggccg ctctgtcctc tgcagtcaag acgctggcg cgtcgaggac tgggtaagat 180
tcaggccgct tcttctgcg cgtctgggac caaagctcag gaccgcgctt agaggagcgg 240
attgaaagga tgtgggacaa agctaattggc gtgtgatagg agcacggggt cgaggggtcat 300
ctcacgttsn cagaaatgag ctcanwctc ctaactgggt aatagacatg ggtggggcct 360
ggaaaagtga ggtatgttct ctgttctgga ggcccacttt cccgactgtg tctcttcgtg 420
a 421

<210> 14829
<211> 255
<212> DNA
<213> Homo sapiens

<400> 14829
acgcgcaact tccgggacag aggcstggc tggaaggagc tgggcatccg gcctgaggcg 60
cacggtcgcg ttagttcggc ccaatggcgg caccgtgct tcacacgttg tttgtcggga 120
gatgcggccg ctctgtcctc tgcagtcaag acgctggcg cgtcgaggac tggcttctac 180
ttgaatgaag acaaaaatct aggcggggcg cggttgctca cgctgtaat cccagcactt 240
tgggaggccg aggtg 255

<210> 14830
<211> 89
<212> DNA
<213> Homo sapiens

<400> 14830
acaaagatac ttatgagcct ttctgcaagg tccctgtgat cacctcatcc aaggaagaac 60
aaaaacttat agcgacttca aataagcca 89

<210> 14831

<211> 409
<212> DNA
<213> Homo sapiens

<400> 14831
atacgccggg gcggggccga gagtttgagc cccggagtggt ggtgtcggcg cctcattcgg 60
gtggagctga gccggagaca ggcagttgtg aaaaacttca ggacaaaaat gtttcattta 120
aggacttggt ctgctaagtt gaggccattg acggcttccc agactgttaa gacattttca 180
caaacagac cagcagcagc taggacattt caacagattc ggtgctattc tgcacctgtt 240
gctgctgagc cttttctcag tgggactagt tcgaactatg tggaggagat gtactgtgct 300
tggctggaaa accccaaaag tgtacataag gtaaggctcg cagggtgtg ggtctagcct 360
catgttggtg tgttggcctg ttcctgactg gyaccaggta agtgtgtgc 409

<210> 14832
<211> 408
<212> DNA
<213> Homo sapiens

<400> 14832
atacgccggg gcggggccga gagtttgagc cccggagtggt ggtgtcggcg cctcattcgg 60
gtggagctga gccggagaca kgcagttgtg aaaaacttca ggacaaaaat gtttcattta 120
aggacttggt ctgctaagtt gaggccattg acggcttccc agactgttaa gacatttcac 180
aaaacagacc agcagcagct aggacatttc aacagattcg gtgctattct gcacctgttg 240
ctgctgagcc cttttctcag gggactagtt cgaactatgt ggaggagatg tactgtgctt 300
ggctggaaaa ccccaaaagt gtacataagt catgggacat tttttttcgc aacacgaatg 360
ccggagcccc accgggcaac tgcctaccag agyccttcc cctgagcc 408

<210> 14833
<211> 472
<212> DNA
<213> Homo sapiens

<400> 14833
gatttttgat ttggacgctc cggcctggga ggtgcgtcag atccgagctc gccatccagt 60
ttcctctcca ctagtcccc cagttggaga tctgggacca acaaggcacc atggcgcaga 120
agggccaaact cagtgcagat gagaagttcc tctttgtgga caaaaacttc atcaacagcc 180
cagtggccca ggctgactgg gccgccaaga gactcgtctg ggtccccctcg gagaagcagg 240
gcttcgaggc agccagcatt aaggaggaga aggggatga ggtggttgtg gagctgggtg 300
agaatggcaa gaaggtcacg gttgggaaa atgacatcca gaagatgaac ccaccaagt 360
tctccaaggt ggaggacatg gcggastgac gtgcctcaac gaagcctccg tgctacacaa 420
cctgaggag cgttacttct cagggtctaat atatacgtac tctggcctct tc 472

<210> 14834
<211> 390
<212> DNA
<213> Homo sapiens

<400> 14834
agatttgagc gctccggcct gggaggggac caacaaggca ccatggcgca gaagggccaa 60
ctcagtgcag atgagaagtt cctctttgtg gacaaaaact tcatcaacag ccagtgggcc 120
caggctgact gggccgccaa gagactcgtc tgggtcccct cggagaagca gggcttcgag 180
gcagccagca ttaaggagga gaaggggat gaggtggtt tggagctggt ggagaatggc 240
aagaaggtca cggttgggaa agatgacatc cagaagatga acccaccacaa gttctccaa 300
gtggaggaca tggcggactg acgtgcctca acgaagcctc cgtgctacac aacctgaggg 360

agcggctactt ctcagggtcta atatatacgt

390

<210> 14835

<211> 261

<212> DNA

<213> Homo sapiens

<400> 14835

atTTTTcgct	ctttccggcg	gtgctcgcaa	gcgaggcagc	catgtcttat	cccgtgatg	60
attatgagtc	tgaggcggct	tatgacccct	acgcttaycc	cagcgagagt	aaccctccg	120
ggagaaacac	caaacactcg	gaaacagcca	gggctttcgc	aacagtgaag	ctgcagatcc	180
catttatttc	cgtcttagta	gcattgtctc	tgttcaaatt	aggtaccagc	aactaaggca	240
agtccactaa	acattcacat	g				261

<210> 14836

<211> 246

<212> DNA

<213> Homo sapiens

<400> 14836

gggaggtcac	tttaaagagg	gctgctcaac	tgcaaggacg	ctgtaancag	gaagagaagc	60
cacagcgctt	cagaaaagag	ygggacaggg	acaagcrtat	ctaagaggct	gaacatgaat	120
ccacagatca	gaaayccgat	ggagcggatg	tatcgagaca	cattctacga	caactttgaa	180
aacgaaccca	tcctctatgg	tcggagctac	acttggtgtg	gctatgaagt	gaaaataaag	240
aggggc						246

<210> 14837

<211> 311

<212> DNA

<213> Homo sapiens

<400> 14837

tgTTTTgttt	tgTTTTgttt	tgTTTTgtat	ttttagtaga	aatgggggtt	caccatcttg	60
gccaggctgg	tctcgaactc	ctgacctcgt	gatccacctg	cctcagcctc	ccaaagtgtc	120
gggattacag	gtgtragcca	ccgtgcccag	ccttgactca	gtTTTTgact	caatcactgt	180
gttgatcatc	aagtcctatg	ttagcaaaca	atttttttat	tgcagcagat	tcagggaagct	240
tttagccaat	ataactaatg	tcagtctcgt	taggattttac	atcaaaggaa	tagtaaaaaac	300
ttctctttcc	c					311

<210> 14838

<211> 158

<212> DNA

<213> Homo sapiens

<400> 14838

gagaagactt	tagtttgagc	cagtcttttg	agacttgggt	cctaaaaact	tctgtgattc	60
cttttctatt	aagaaatgta	tttgmmaaat	atttaggaag	gatgccaggc	tcagccactt	120
cattccctca	ttctgatcct	gcctaattct	gccactct			158

<210> 14839

<211> 324

<212> DNA

<213> Homo sapiens

004220" 00000000

<400> 14839
 acgtgacatg gggttgaaga tggcgtctcc cacagacggg acagatctgg aagcatcttt 60
 gctaagt tttt gaaaaacttg accgtgcctc accagatctt tgccagaaca attaccaggt 120
 gttgctgaat ttgcagcttc cttcaaaagt cctattacta gttctccacc caaatggatg 180
 gctgagatag aacgtgatga catcgacatg ttgaaagaac tggggagtct caccacggct 240
 aatttgatgg agaaggttcg aggcctacag aacctagcct atcagctggg gctggatgag 300
 tggctctcct ctgtcaccga ggct 324

<210> 14840
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 14840
 attgtgggag tctccgcgtc ccgctcgtcg ggagagaggt acctctcctt tccctctctc 60
 ctttccctaa ggagtggagt caacatatca atggagcaag tcacagtcgt cgatgccagc 120
 ttcttcttga aatctaccca gaatggaatc ctgacaatga tacaggacac acaatgggtg 180
 atccattcat gttgcagcag tctacaaatc cagcaccagg aattctggga cctccacctc 240
 cctcatttca tcttggggga ccagcagttg gaccaagagg aaatctgggt gctggaaatg 300
 gaaacctgca aggacctaga cacatgcaga aaggcagagt ggaaactagc agagttgttc 360
 acatcatgga ttttcaacga gggaaaaact tgagatacca gctattacag ctggtagaac 420
 cattggagt catttcaaat catctgattc taaataaaat taatgaggca tttattgaaa 480
 tg 482

<210> 14841
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 14841
 aagctccttt tctgaattt cctacctaaa tattaacct atgcctagtc tctgaaacta 60
 aaaacttggg cctcatcctc aattattttc tcttttcaac tctgttgacc ctctgtctgg 120
 tcttctctca gaaggtaccg cagaaaattga tgtgtgctcc ctgccctcgt cactgcc 177

<210> 14842
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 14842
 agcacaatga ttgcctgtat tgtgtttttc ttgacaagac actgttttgg catatttcat 60
 taattccctc ttcatttttc aaccttgatt ttatttcctt ttatgattca gaacaatata 120
 gctttctcct tgaaaacagc cttcttagtc tgtacacact ggttgggatg ggtggaaggt 180
 aatagaaaaga taattgggtt ggcagattaa aaacttgggt tctaatacctt tttctgccac 240
 tctctagttc tggaaatccta ggtatatcac ttgccctacc tgggtctagg catccccata 300
 tctaaaatga cattcaagtg ggtggtcttt aaatgatact atgacaatct agtagccatg 360
 tttttgtttg tttgtttttg agacaggggtc tcactctgtt gctcaggtcg gaktacagtg 420
 gtgccagctc ggctcactgc atcctgtgcc tcccaggctc aagcaaccct cccacctcag 480
 cctcccaagt agctgggact ac 502

<210> 14843
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 14843
actctatgaa aatgttttttc atttgaaaat tttccctaga atgattttaa ttaaaaataa 60
tgaggaaaaa cttgtgaatc tctacagata tatccgcga 99

<210> 14844
<211> 333
<212> DNA
<213> Homo sapiens

<400> 14844
ttgtgaataa gtctgttgaa tgaacaacat agttgaaatg ggggtgtttta tttatgaatt 60
agtctgttga atgaacaaca tagttgaaag aacacaacca caaaccaaac ctcagttaac 120
aagtcaagg gaaaaacttg tgactctact ggcagcagca gatgatgggt gtcccagaca 180
caagctgggt ccatgtgggt gatctgtgtc taggctatta ccatacaatg aagggaact 240
tacttggaa taaagagact taactatgtt taattaactt gtgaggagta tgtttttcag 300
agtgggtgatt ttaatcacc acccttgtcc cca 333

<210> 14845
<211> 355
<212> DNA
<213> Homo sapiens

<400> 14845
aaaggagccg cgctgggaac actgcgggtcg gggcgaggaa gctgccgggg aagtgaatg 60
acggtcgtgg ggggtgccag gagccctgaa aaacttgtgc cctgggcacg gcaaaatctg 120
caggttgca gaaagtctca ctgatcctgg cataccgga ggtgccgact tttagagctg 180
aagatgcaag awagattggg atcctgcgat gcaccgaacc tgtctctcga agtgtgtgcg 240
ccctgcttcc tgtgttaaac aatttgctac aaggtcacac aattttaact agaagactga 300
gatgtgancc tgggtgtctg atgtgaacac cactgtcttg taatcccaac gctct 355

<210> 14846
<211> 555
<212> DNA
<213> Homo sapiens

<400> 14846
aaatgaacgg cggcgggagg tgaaatccgg ttctaaccgg tccggggctc ccagcgctat 60
aaaaacttta taaaccccc ggagcccag cagtgtgaag aagaggcgag aacgaccccc 120
ggaccgacca aagcccgcgc gccgctgcat cccgcgtcca gcacctacgt cccgctgccg 180
tcgccgccgc caccatgccc aagagaaaagg ctgaaggagg tgctaaggga gataaagcaa 240
aggtgaagga cgaaccacag agaagatccg cgaggttgtc tgctaaacct gtcctccaa 300
agccagagcc caagcctaaa aaggccctg caaagaagg agagaaggta cccaaaggga 360
aaaagggaag agctgatgct ggcaaggagg ggaataacc tgcagaaaat ggagatgcc 420
aaacagacca ggcacagaaa gctgaagggt ctggagatgc caagtgaagt gtgtgcattt 480
ttgataactg tgtacttctg gtgactgtac agtttgaaat actatTTTT atcaagtttt 540
ataaaaatgc aga 555

<210> 14847
<211> 281
<212> DNA
<213> Homo sapiens

<400> 14847

gttcctggcg gasgggctcc gctcgtcttc tctgtcttag ggctgggtgct ggccctgccc 60
 acgcctaggg ctccggcgcg tcacgggcct cagctgggat tcccgcgccc ctcggaaggc 120
 cacgagactc ggacatcttt ccaggaacag cgtgaggagg acagaagcac ccaacaggac 180
 tgctcaagcc acctgcgaac actgctgcta ccatgcccaa gagaaaggca aaaggagatg 240
 ctaaaggatga taaagcaaag gtgaaggatg agccacagag g 281

<210> 14848
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 14848 60
 acacaaagcc cagacgcgga gaaaatggcg gcaggggctg aagcggcggc ggaggtggcg 120
 gcgacggaga tcaaaatgga ggaagagagc ggcgcgcccc gcgtgccgag cggcaacggg 161
 gctccggggc ctattccttg actctctttt tctccttacc g

<210> 14849
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 14849 60
 aaatgaacgg cggcgggagg tgaaatccgg ttctaaccgg tccggggctc ccagcgctat 120
 aaaaacttta taaaccccc ggagcccgag cagtgtgaag aagaggcgag aacgaccccc 180
 ggaccgacca aagcccgcg cccgctgcat cccgcgtcca gcacctacgt cccgctgccg 240
 tcgccgccgc caccatgccc aagagamagg ctgaaggga tgctaaggga gataaagcaa 300
 aggtgaagga cgaaccacag agaagatccg cgaggttgct tgtggttcgt ccttcacctt 360
 tgcttttatct cccttagcat ccccagacgc ggagaaaatg gcggcagggg tcgaagcggc 420
 ggcgagggtg gcggcgacgg agatcaaaat ggaggaagag agcggcgcg cgggcgtgcc 474
 gageggcaac ggggctccgg gccctattcc ttgactctct ttttctcctt accg

<210> 14850
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 14850 60
 gaaccgcaga ctggccgaga aatctccttt acagacaata ggtgaagaac aaaccagaa 120
 tccctacact gaactgctag tactgaaggc tcatcatgat attgtacgat ttctggtaca 180
 gttgatgac tacagatttg catctgctgg tgatgatgga attgtagttg tgtggaatgc 240
 ccagacaggg gaaaaacttt tagaactgaa tggacacact caaaagataa cagctattat 300
 tacatttcct tccttggaat cttgtgaaga gaaaaatcaa ctcatcttga cagcctctgc 309
 tgatagaac

<210> 14851
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 14851 60
 aaccagagta taacttttca gggtaaaaa aataatgtag gacagcttct tatttgagat 120
 tgactttact aattattatt gttcaaaaat tgaaatatgt cacgaaaaac ttttgattg 180
 aaggaaaatt cggtaatgat gagactcatg aggttatgtc ctatcagtga aggatacata 240
 attgagaggg gttgtttata ctttacagca aaatcaaagg ctgaaatttt cttaacgctg

gagctatatg tgatcttttag tgattatgaa ctaggtagaa gaggatgaaa tacgaactgc 300
taagccc 307

<210> 14852
<211> 246
<212> DNA
<213> Homo sapiens

<400> 14852
gcccgcgctt gttgtgctga ggccgagggg gtcgccattt tggatggtga accctgaagt 60
cggtgtctgc tgcgttcacg gcaggattcg gttaggagga acagcacagc atgctgggct 120
ctggatttaa agctgagcgc ttaagagtga atttgagatt agtcataaat cgccttaaac 180
tattggagaa aaagaaaagt gagtagtgta ctttttttcc ccaaaaataa atcactggat 240
accagc 246

<210> 14853
<211> 410
<212> DNA
<213> Homo sapiens

<400> 14853
gtggtaccca gtcctcaggt gcaaccccct gcgtggctct ctgtggcagc cttctctcat 60
tcagagctaa aaagaaaact cagtagaaga taatggcaag tccagactgg ggatatgatg 120
acaaaaatgg tctgaacaa tggagcaagc tgtatcccat tgccaatgga aataaccagt 180
cccctgttga tattaaaacc agtgaaacca aacatgacac ctctcwgaac cctattagt 240
tctcctacaa ccagccaca gccaaagaaa ttatcaatgt ggggcattcc ttccatgtaa 300
attttgagga cnnnngataa ccgatcagtg ctgaaagggtg gtcctttctc tgacagctac 360
aggctctttc angnssaatt ttcactgggg cagtacaaat gagcatggtt 410

<210> 14854
<211> 207
<212> DNA
<213> Homo sapiens

<400> 14854
caaacattga ttttaagtaaa atgggtcctt gagaaactgg gtgcttttaa tgtttcagta 60
tctgttgctt ttttaaggta catttagaaa gtagttttgt atgaatcgtg aaatagcctt 120
cttcacagcg aattttttaa cgcaaaaaaa gataactagt aagagggtga acttgggtgaa 180
ttacaaaata gacattttta tatagca 207

<210> 14855
<211> 435
<212> DNA
<213> Homo sapiens

<400> 14855
cttttctccc aggcgacacc aggctccgca taaccgggga gtggctcagg tagggccgtc 60
ggttccagtg cctgcgagc agcagccagg ctgaaaatgt ctccctgcgc tgagacgctg 120
gtgacaaccg ccctttggga ctacctgcca aacaaggaga atgcgctctt tgacagataa 180
ttccctaaga gggaggcact gcctcggtcg gtagacaagt aatgaatgac cgaaaaaaa 240
atcacattag aagttatcac cagcacgggt gcgaaggcag tgcattaaat caacactcat 300
tttagagcgc ccagacagc ccagccggaa gggaggagat cagagctgtc aaagcacagc 360
agagcccaa accacaaag cttaaatgaa attcaacttc ctgagccagg aagtgtcacg 420
gtctcgcccg camtc 435

<210> 14856
<211> 81
<212> DNA
<213> Homo sapiens

<400> 14856
agacccaaaa agaaaatagc ataatgaact ctaatgtgcc cataacctgc ctggaattat 60
tttttgagc ataaaaaccc t 81

<210> 14857
<211> 244
<212> DNA
<213> Homo sapiens

<400> 14857
aaaggaggcc ansagcgcgg gcggcgaggc aagatggcgg caaccaasng gaaacggcgt 60
ggaggctttg cagttcaggc gaagaagcca aaaagaaacg aaatagatgc ggagccgcca 120
gctaagcggc acgccacagc agaggasgtg gagssaagaa gagagggacc ggatcccagg 180
ccccgtttgc aagggaaggt ggaaaaataa ggaacggatt ctcactcttt cttcctctac 240
ctcc 244

<210> 14858
<211> 254
<212> DNA
<213> Homo sapiens

<400> 14858
gccccagtca ctgagccgcc gccgaggatt cagcagcctc ccccttgagc cccctcgctt 60
cccagcgttc cgttcccccc tgcccgcctt ctcccgccac cgccgccgcc gccttcgca 120
ggccgtttcc accgaggaaa aggaatcgta tcgtatgtcc gctatccaga acctccactc 180
tttcgacccc tttgctgatg caagtaaggg tgatgacctg cttcctgctg gcaactgagga 240
ttatatccat ataa 254

<210> 14859
<211> 117
<212> DNA
<213> Homo sapiens

<400> 14859
cccataaaac cagctgagtc tttgtgccag gaagactgcg tgcagaaggc cttggctcct 60
tgaacttttg gccgccatgt gcttcccga gtcctctctg atgagatgaa gaagctg 117

<210> 14860
<211> 209
<212> DNA
<213> Homo sapiens

<400> 14860
aagactgcgt gcagaagggt actgtctcag tggagctggg tcactctcagg ccttggtctc 60
ttgaactttg gccgccatgt gcttcccga gtcctctgat gacatgaaga agctgaaggc 120
ccgaatgcac caggccatag aaagatttta tgataaaatg caaatgcag aatcaggacg 180
tggacagggt atgtcgagcc tggcagagc 209

<210> 14861
<211> 275
<212> DNA
<213> Homo sapiens

<400> 14861	
aggggtgctcc gcgtcctcgc cgctgtcgcc gccgcggaga caaagatggc tgcgagagtc	60
ggcgcccttc tcaagaatgc ctgggacaag gagccagtgc tggtcgtgtc cttcgtcgtc	120
gggggcctcg gtgcgtgagt gctccaggcg caaacttgca tcgtccaccc ccgtccccct	180
acatccctcc atcttgatcc cctaaagccc tatcgccgcc ctccgggtccc ctctagtgtg	240
tctgcacccc caccgcatcc ccttatctat cccca	275

<210> 14862
<211> 341
<212> DNA
<213> Homo sapiens

<400> 14862	
actttccctc tgccccctccc cactctcagg ctgggtggggg ggggaaagca gccattcct	60
gggctcagag actcccaccc cagctcagag ggagcagkcg cccagccagg gacggaccct	120
cattcctccc agggacccca gacctctgtc tctctcgggc cttggctcct tgaacttttg	180
gccgccatgt gcttcccga gtcctctctg atgacatgaa gaagctgaag gcccgaaatgc	240
accaggccat agaaaagatt tatgataaaa tgcaaaatgc agaatacagga cgtggacagg	300
tgatgtcgag cctggcagag ctggaggacg acttcaaaga g	341

<210> 14863
<211> 402
<212> DNA
<213> Homo sapiens

<400> 14863	
ataggggagg gaacagccca gcggggccgtc ccctcggctt ttgggtctgt taccctaaaga	60
atgataaagt tggttttatt tcaagaagtc gatcaaaaag aaagccccag cgctctagag	120
ctcagctgac gggaaagggg gtgcgcacsc cgagtttgag agctaccagg agctccaaga	180
cagggtgagg ttccagctgc ccgcacgccc cgaccttcca tcgtaggtaa cgcggaagag	240
cccgggagag cgttgggtgg gtccgagagc gaggagcggg aaagaggatg ggtctgcacg	300
gagagtggaa aggcaggctg tgtactctgg ggaaaagtga gcaaggaagg agctacagtg	360
gccgacgctg gagtccgctg cagaaaaact agaaaaagta gg	402

<210> 14864
<211> 405
<212> DNA
<213> Homo sapiens

<400> 14864	
ggacaaatgg acctgcggta ggagagaggg acaacagtag gagcaggcag atcttgctgt	60
ttcaacaaa acctcatgct gaccagagtt gaggaacaga agaaagatgg tgaaggcctg	120
caggatatag tgttcagcat gtcacttgaa atattcccca cagaggcaaa aagaaaggaa	180
attatctctg aaaaggaatg knaggacaag gtattgatga cattttctga ttacagagga	240
gactctcagg actgaggaat tgtcacccat gcttggccaa tctcccaaac tgtcatgcct	300
ctggcaaaaag caaagatcac ctctcacctt ctaaagactg gcccagtag ttctctaaca	360
atcccttccc tcaccgacac ccaccacca ataaaaaac aacca	405

<210> 14865

<211> 611
<212> DNA
<213> Homo sapiens

<400> 14865
atctctggga ctcagtgtgt caccgcgtgt acaaagacaa agagatgaat ctggggtaga 60
tttaggtgat agtagaaaag gctcccaaag ctcggatagg agacctggac aaaaagaaat 120
acctggtgcc ttctgatctc acagttgggtc agttctactt cttgatccgg aagcgaattc 180
atctccgagc tgaggatgcc ttgtttttct ttgtcaacaa tgcattcca cccaccagtg 240
ccacaatggg tcagctgtac caggaacacc atgaaganna cttctttctc tacattgcct 300
acagtgcga aagtgtctac ggtctgtgaa gctgctgccc ctttcttgac ctccctctcc 360
ttcaagctca aacaccacct cccttattca ggaccggcac ttcttaatgt ttgtggcttt 420
ctctscags cttctcttaa graggggtaa tgggtggagt ggcatcttgt aactctcctt 480
tctcctttct tcccctttct ctgcccgcct ttcccatcct gctgtagact tcttgattgt 540
cagtctgtgt cacatccagt gattgttttg gtttctgttc ctttctgac tgcccaaggg 600
gctcagaacc c 611

<210> 14866
<211> 117
<212> DNA
<213> Homo sapiens

<400> 14866
agtgtgtcac cgcgtgtaca aagacaaaga gatgaatctg gggtagattt aggtgctagg 60
aatattgttt cttgagttct tgacaggtgc agcttcgggg ctgcattcct tctgtct 117

<210> 14867
<211> 351
<212> DNA
<213> Homo sapiens

<400> 14867
acattgtaac tctgtctgcc ggaagctcaa actcccggat ttaaaaagaa atgactattc 60
ccctgaaagg ataaattcca cctttggact tgagataaaa atagaatcag ctgaggagcc 120
tccagcaarg ggagacgggt agaaattccc cagaagatga tatgcaacta taaaaggga 180
ggagcaagaa gatcccagtg cttgccctgc ctgccaggaa ctctgtgata acatagattg 240
atcaacgtga tggtgattac atcagcgtct ccttgggaca cgccttctga gcctcacatc 300
tccttctgtt caaaggcctc attggtatat gatcaatggg ttctcctaga c 351

<210> 14868
<211> 602
<212> DNA
<213> Homo sapiens

<400> 14868
aactcgggag ctattttctga acggacctgg gcttgtcgga ccagtgagcg gcggcggctg 60
cgcgggcgga gcggcagaaa gcgtastgct ttgctgtagt ccacgcccc ttgccgctcc 120
ggtgacagtc tctgcggaaa gtcacgtttg tgatttcggg agagcacaga acgggacgac 180
ggcgctcttg ctgggtcatc tggggccagg gacgaagaaa cagtttctct gtgaagcagt 240
ccctcacccc tagtcagccc acacccctag ggcctaaaga tgctgaggtc tgtatggaat 300
tttctgaaac gccacaaaaa gaaatgcac ttcttgggca cggctccttg aggagtatat 360
attctgggga aatatggaca gaagaaaatc agagaaatac aggaaaggga ggctgcagaa 420
tacattgccc aagcacgacg acaatatcat tttgaaagta accagaggac ttgcaatatg 480
acagtgtgtt ccatgcttcc aacactgaga gaggccttaa tgcagcaact gaattccgag 540

agcctcacag ctctgctaaa aaacaggtaa atgcaagtta cagcattttc tgtttaagca 600
ct 602

<210> 14869
<211> 286
<212> DNA
<213> Homo sapiens

<400> 14869
agaggccgct aggtggaagg ggacttcggt tccgcacgtc gtcattgtgt tggatggcac 60
cagtattgta cgttcctagg aacttagctc tgaggaaaaa acaaagcaaa ccggggaagt 120
acgtagcctt gaaccggagt aaccagggac agaaaggaag gaaaagggtt tcataccttc 180
acggaacgac gctcacttcg tccgcctgag gaggaaaaat aagtttaaac ctttctgtga 240
aaaagaacgt ggagcccttt ctrccgaatg gaaaccgcgt aaaccc 286

<210> 14870
<211> 361
<212> DNA
<213> Homo sapiens

<400> 14870
attctcttct cccwgaaggg aggcacaccg tccgttcgcc tgactggcag tgttttaagg 60
nccatcgctc ttgacgggaa agtcagatta aaaatcaaga aatataaacc agatgtagca 120
gtttcttgac atggagaacc aagcccataa tacgatgggg ctgaagtgtg agacctcaat 180
aactacctgc ttatccagtc tgagtgaact gacttacacc agctccctgg agaattgctc 240
agcttctttg aaaaagaact ctgtagtgag agcacttacc aatctgtctt aacaacagtt 300
gctatagtcc tagctgttat actaagcatt ttgtttgaaa ctcaataaac cctcctggac 361
c

<210> 14871
<211> 315
<212> DNA
<213> Homo sapiens

<400> 14871
agcaktcggc ggassmtctg cctgcgtccg ctcttcccgc agccaagggt gggcgccggt 60
cctaggaggc gcacggttgt aagccagaca aaaagaactg gggtgcccgg agtgccagggt 120
ggcgggcaag cgggtgggctt ttcggcgggg tctttaggat ttgcagctcc aggaagcgag 180
atgtcgaagc cgccacccaa accagtcaaa ccagggcaag ttaaagtctt cagagccctg 240
tatacgtttg aaccagaac tccagatgaa ttatactttg aggaagggtga tattatctac 300
attactgaca tgagc 315

<210> 14872
<211> 156
<212> DNA
<213> Homo sapiens

<400> 14872
gtttaatttt tgttgtcaga aaagtatgaa catttgtgac ttgcctaaaa agaacttgggt 60
ccccctgcaa agatagaggg aaggtagaga tcggagtga tgaaaaaat cagcaatcaa 120
gtattaagaa atgaagtatt tgcacacctc atcact 156

<210> 14873
<211> 518

004220-004400

<212> DNA
<213> Homo sapiens

<400> 14873
 gggccaccat tccggaagta gaatttagag gaagaaaata ccggagttgc agggatatagg 60
 taaatttctc aaggttatag gttgggggtc ttagaacttt ttgtggtgtg tgttggccta 120
 gagcgactca gaagcgtag tgacttcacc taaaaaagct aacctctctg ctgagcgcgga 180
 ccggtatgcg gcgcaggatg agcctcaggg cttctgttaa gagtctgtct gagaaagccg 240
 gtctgcgctg ttcctcgggtg gcgaccttaa ttatgagatg agctaagtct ttactgactt 300
 aacctggcgc casgggcagt gtggctcata agccacgaac cgggaactcc actttgtggc 360
 accgtgagat tctccagacg gtatccaact gttgaaaaac gagccagagt cttcaatgga 420
 gcaagttatg tgctgtttcc tgaagatggt ccctttctta aagcactgct ctttgaactt 480
 agattattgg atgatgataa agacttcgtt gagagtcg 518

<210> 14874
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 14874
 ctctctctcc tctctccgcg ccctccgtgc agccacctgc tgcacttgcg cactgggagc 60
 gacacgctcg ggataagtag tgccggaaaag ttagctgccg agacctggtg gattgctttt 120
 cgtttawcag tgcaaggaaa acagcgctat agtactgctg cacaactagc gcagactccg 180
 gcagtattta ggcggtgctg cttgggaact agaatccgct tctgtctctc cgcctcaggc 240
 tagagggcga gcgcttcgcc gtgggacttc ctctgcctgg ctccgcctct tgccccggaa 300
 gtactcacag cggacggtgg tttttgggca cgtttctgag cagcgcttcc tttttgtccg 360
 acatcttgac gaggtgctcg tgtctgctgc tattctccga gcttcgcaat gccgcctaag 420
 gacgacaaga agaagaagga cgctggaaaag tcggccaaga aagacaaaga cccagtgaac 480
 aaatccgggg gcaargccaa gcaaagggag tgctcacaac atttgaggac aagtgnnagg 540
 tctcatggaa ggaagaggtg atatgggcct gacccccaa aacagcarcc tcttggtttt 600
 acattagcag agtactacgg tgtcaaaaaca ttcttgcttt tttcttcttt tcattgactt 660
 actaatttgt tattcattgt taacagcttc catggctcca maattctcca gtcattccaga 720
 tttaatctgg tttatccaag aatgttgctt 750

<210> 14875
 <211> 705
 <212> DNA
 <213> Homo sapiens

<400> 14875
 ctctctctcc tctctccgcg ccctccgtgc agccacctgc tgcacttgcg cactgggagc 60
 gacacgctcg ggataagtag tgccggaaaag ttagctgccg agacctggtg gattgctttt 120
 cgtttawcag tgcaaggaaa acagcgctat agtactgctg cacaactagc gcagactccg 180
 gcagtattta ggcggtgctg cttgggaact agaatccgct tctgtctctc cgcctcaggc 240
 tagagggcga gcgcttcgcc gtgggacttc ctctgcctgg ctccgcctct tgccccggaa 300
 gtactcacag cggacggtgg tttttgggca cgtttctgag cagcgcttcc tttttgtccg 360
 acatcttgac gaggtgctcg tgtctgctgc tattctccga gcttcgcaat gaagtgggtc 420
 aaaggcaaag ttcgggacaa gctcaataac ttagtcttgt ttgacaaagc tacctatgat 480
 aaactctgta aggaagtcc caactataaa cttataaccc cagctgtggt ctctgagaga 540
 ctgaagattc gaggtccctt gccagggca gcccttcagg agctccttag taaaggactt 600
 atcaaactgg tttcaaagca cagagctcaa gtaatttaca ccagaaatac caagggtgga 660
 gatgctccag ctgctggtga agatgcatga ataggtccaa ccacc 705

<210> 14876

<211> 918
 <212> DNA
 <213> Homo sapiens

<400> 14876
 ctctctctcc tctctccgcg ccctccgtgc agccacctgc tgcacttgcg cactgggagc 60
 gacacgctcg ggataagtag tgccggaaaag ttagctgccg agacctgggtg gattgctttt 120
 cgtttawcag tgcaaggaaa acagcgctat agtactgcgt cacaactagc gcagactccg 180
 gcagtattta ggcggtgcgg cttgggaact agaatccgct tcctgtcttc cgcctcaggc 240
 tagagggcga gcgcttcgcc gtgggacttc ctctgcctgg ctccgcctct tgccccggaa 300
 gtactcacag cggacggtgg tttttgggcc cgtttctgag cagcgcttcc tttttgtccg 360
 acatcttgac gaggctgcgg tgtctgctgc tattctccga gcttcgcaat ggtaagcttc 420
 aggggtgtga aagtcaccgg cgttcttggg tttgaggact cagtggggag agccttcggc 480
 gcgagcgctc cttggcctgc cggcctcggt tgcagggcgg gcgcggttat tgcttggccc 540
 atgtgctctg gtggtggagt ttgcgggggc tgagggcgca gtattagggg actttggcgc 600
 tttttgagga cctggttgca ttcccgctgc cctcctacag ccgcctaagg acgacaagaa 660
 gaagaaggac gctggaaaagt cggccaagaa agacaaagac ccagtgaaca aatccggggg 720
 caaggccaaa aagaagctgt ggtctctgag agactgaaga ttcgaggctc cctggccagg 780
 gcagcccttc aggagctcct tagtaaagga cttatcaaac tggtttcaaa gcacagagct 840
 caagtaaktt acaccrgaaa taccaagggt ggagatgcts nagctgctgg tgaagatgca 900
 tgaataggtc caaccacc 918

<210> 14877
 <211> 979
 <212> DNA
 <213> Homo sapiens

<400> 14877
 ctctctctcc tctctccgcg ccctccgtgc agccacctgc tgcacttgcg cactgggagc 60
 gacacgctcg ggataagtag tgccggaaaag ttagctgccg agacctgggtg gattgctttt 120
 cgtttawcag tgcaaggaaa acagcgctat agtactgcgt cacaactagc gcagactccg 180
 gcagtattta ggcggtgcgg cttgggaact agaatccgct tcctgtcttc cgcctcaggc 240
 tagagggcga gcgcttcgcc gtgggacttc ctctgcctgg ctccgcctct tgccccggaa 300
 gtactcacag cggacggtgg tttttgggcc cgtttctgag cagcgcttcc tttttgtccg 360
 acatcttgac gaggctgcgg tgtctgctgc tattctccga gcttcgcaat ggtaagcttc 420
 aggggtgtga aagtcaccgg cgttcttggg tttgaggact cagtggggag agccttcggc 480
 gcgagcgctc cttggcctgc cggcctcggt tgcagggcgg gcgcggttat tgcttggccc 540
 atgtgctctg gtggtggagt ttgcgggggc tgagggcgca gtattagggg actttggcgc 600
 tttttgagga cctggttgca ttcccgctgc cctcctacag ccgcctaagg acgacaagaa 660
 gaagaaggac gctggaaaagt cggccaagaa agacaaagac ccagtgaaca aatccggggg 720
 caargccaag caaagggtgt gctcacaaca tttgaggaca agtggnnagg ctcatggaag 780
 gaagaggtga tatgggcctg accccaaga acagcarcct cctggcttta cattagcaga 840
 gtactacggt gtcaaaacat tcttgccttt ttcttctttt cattgactta ctaatttgtt 900
 attcattgtt aacagcttcc atggctccam aattctccag tcatccagat ttaatctggt 960
 ttatccaaga atgttgctt 979

<210> 14878
 <211> 1030
 <212> DNA
 <213> Homo sapiens

<400> 14878
 ctctctctcc tctctccgcg ccctccgtgc agccacctgc tgcacttgcg cactgggagc 60
 gacacgctcg ggataagtag tgccggaaaag ttagctgccg agacctgggtg gattgctttt 120

cgtttawcag	tgcaaggaaa	acagcgctat	agtactgctg	cacaactagc	gcagactccg	180
gcagtatatta	ggcgggtgcg	cttgggaact	agaatccgct	tcctgtcttc	cgccctcaggc	240
tagagggcg	gcgcttcgcc	gtgggacttc	ctctgcctgg	ctccgcctct	tgccccggaa	300
gtactcacag	cggacgggtg	tttttgggcc	cgtttctgag	cagcgcttcc	tttttgtccg	360
acatcttgac	gaggctgcg	tgtctgctgc	tattctccga	gcttcgcaat	ggtaagcttc	420
aggggtgtga	aagtcaccgg	cgttcttggg	tttgaggact	cagtggggag	agccttcggc	480
gcgagcgctc	cttggcctgc	cgccctcggt	tgcagggcgg	gcgcggttat	tgcttggccc	540
atgtgctctg	gtgggtggag	ttgcgggggc	tgagggcgca	gtattagggg	actttggcgc	600
tatttgagga	cctggttgca	ttcccgtgc	cctcctacag	ccgcctaagg	acgacaagaa	660
gaagaaggac	gctggaaaagt	cgccaagaa	agacaaagac	ccagtgaaca	aatccggggg	720
caaggccaaa	aagaagaagt	ggtccaaagg	caaagttcgg	gacaagctca	ataacttagt	780
cttgtttgac	aaagctacct	atgataaact	ctgtaaggaa	gttcccaact	ataaacttat	840
aacccagct	gtgggtctctg	agagactgaa	gattcgaggc	tccttgccca	gggcagccct	900
tcaggagctc	cttagtaaa	gacttatcaa	actggtttca	aagcacagag	ctcaagtaat	960
ttacaccaga	aataccaagg	gtggagatgc	tccagctgct	ggtgaagatg	catgaatag	1020
tccaaccacc						1030

<210> 14879

<211> 807

<212> DNA

<213> Homo sapiens

<400> 14879						
gtgaaaagcg	gcccgcacctg	cttgggggtgt	agtgggcgga	ccgcgcggct	ggaggtgtga	60
ggatccgaac	ccaggggtgg	gggggtggagg	cggtctctgc	gatcgaagg	gacttgagac	120
tcaccggccg	cacgccatga	gggccctgtg	ggtgctgggc	ctctgctgcg	tcctgctgac	180
cttcgggtcg	gtcagagctg	acgatgaagt	tgatgtggat	ggtacagtag	aagaggatct	240
gggtaaaagt	agagaaggaa	tgccgggkat	gcttcggctc	acacacatca	cagacaatgt	300
ctgctggctg	tgcatgtata	tttgatcacc	cctcttgaag	ctttcttcac	tttaatggtg	360
gcagtttcac	aaggggagta	caattcacca	tgagttgtca	tggtattnnt	tgcataatc	420
aagaaatgct	ctgtttatgt	ggtcggctgc	ttttttgtc	cgacatcttg	acgaggctgc	480
ggtgtctgct	gctattctcc	gagcttcgca	atgaagtgg	ccaaaggcaa	agttcgggac	540
aagctcaata	acttagtctt	gtttgacaaa	gctacctatg	ataaactctg	taaggaaagt	600
cccaactata	aacttataac	cccagctgtg	gtctctgaga	gactgaagat	tcgaggctcc	660
ctggccagg	cagcccttca	ggagctcctt	agtaaaggac	ttatcaaact	ggtttcaaag	720
cacagagctc	aagtaattta	caccagaaat	accaagggtg	gagatgctcc	agctgctggt	780
gaagatgcat	gaataggctc	aaccacc				807

<210> 14880

<211> 252

<212> DNA

<213> Homo sapiens

<400> 14880						
gagagaagcg	agattttatc	ctacgtaccg	ggccgtgctg	cttatggcgg	cgctggagag	60
ggggcgctga	gctgttgggg	tgagtacgac	ctcaggggtc	aactgggggt	agcagaaacc	120
caggggaagg	gctgagaata	agaccaaggc	taacgagaag	ccttctgagt	caagggtggg	180
actcgtagag	ctctaggtgg	ggaagaatgc	accccgattc	cctgccctgg	gctttttcat	240
acgtctcccg	tt					252

<210> 14881

<211> 270

<212> DNA

<213> Homo sapiens

<400> 14881
 agcggcgccg gcctcggcgg ctgaggaaaag caggaggagg tggcggcggc gggaagatgc 60
 tgctcttttg cgtaaattgc aatcgattag ggatcgtttc tcagaatcaa gttagaagtg 120
 agagttcaga taagtgaggc cgccattgct gctttgaaca cctcagaagg ggagaatgga 180
 tttatcagga gtgaaaaaga agagcttgct aggagtcaaa gaaaataata aaaagtccag 240
 cactagggct ccttcaccta ccaaacgcaa 270

<210> 14882
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 14882
 acttgctgcg gaggaccgtg ggcagccagg gtcggtgaag tttaatgcgc tgaaggttcc 60
 cgtgccagag gataaatata ctgccaggt ggatgccgaa gaaaaagaag atgtgaaatc 120
 ttgtgctgag tgggtgtctc tctcaaaggc caggattgta gaatatgaga aagagatgga 180
 gaagatgaag aacttaattc catttgatca gatg 214

<210> 14883
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 14883
 tcatacaaaa caaataggct tttccataag tggcctttta gaaaacatgg aagacaattc 60
 atgtttgaca aatgctgaca ggggtgaagaa agcccagtg aaaaatgaat cgcgttttta 120
 gtgattcggg taaagagttt gggctcccgt agcaaaactaa tactagataa taaggaaatg 180
 ggggtgaaat atttttttat tgttgaatca ttttgtgaat gtccccctca aaaaaagcta 240
 atggaatatt tggcataaag ggcatttggt ggttttattt ttgtttgagg gggattgtca 300
 gaaaatcctt ttctctctta cgtctaactg actagggaac aattgttgat atgcatagca 360
 ttggaatact tgtcattata tactcttaca aataacacat gaagcaagaa tgaccaatat 420
 tctgataatt ggcactggat cacaaaatgt gataaaactt taaatgntat aaaactttat 480
 caaataaagt tttattttcc cctttaaaat gtatttcttt agaggcatta ctttttttaa 540
 aatattggtc aattcctgac ataagatgtg aggttcacag ttgtattcca gtattcaaga 600
 tagattcctg atttttcaat taggaaaagt aaaatccaaa atgttagcaa aacaaagtgc 660
 aatattaaat gtttgcttta tagattatat tctatggctg tttgtaattt ctcttttttt 720
 ccttttttat ttggtg 736

<210> 14884
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 14884
 taggagcagc tctgttgcca cataggccga gcagcgaggc ccagctccct gaaacaacag 60
 taacctaccc ctgtgggtca tcatcatgcc ctccgaccgc caagaagaag gcagccaaaa 120
 agaaggaggc tgccaaagct cgacag 146

<210> 14885
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 14885
gcagtttatc ctgatttcaa ttgacaatg tctacatggt cttttaaatt acttgctgag 60
ttggtgaatt ttgttttctg ttatttttaa aaactgacaa aatccttctg cttaaaaaaa 120
attcagtgtc gtagttttgc ttgcagcctg tatcttagca gggaaccctt tggaaacca 180
gtctccagag aaagtttgac gggcatcttg gcataggctg ctgcctggta ttactcaaaa 240
agaagggtg ttcattttcca gcagggtgta agagctgagt aagg 284

<210> 14886
<211> 331
<212> DNA
<213> Homo sapiens

<400> 14886
accatgtcta ttggtaggta gggtattttc tttaatgttc tgtaaaccag tttttcctgt 60
tttatataaa aattattcta gcatagacgc agtgatcaaa tctcttact ttctctgttg 120
gtatgtatct tagtctgttt tgtgttgcta taacataata cctgagacta gataatttat 180
aaagaaaaaa agttttattta gctcatggtt ctacaggctg ggaatttcaa ggtcatggcc 240
ctggcttctg gggagggcct tcatacaggg ttctaactg aaaaagaagg taaaagggga 300
agtggacatg tgcagagaga aaccaaggga g 331

<210> 14887
<211> 399
<212> DNA
<213> Homo sapiens

<400> 14887
accaactctc ttgctgacaa caacgagaaa atcttgatac catttagcaa aaagaagtct 60
gtgggggagg cggttgagag tgacggaact gccacggcct gaggcacctg gcttccggag 120
cctctggcag cccagagaag tctctgtcct gtcgcccagg ctgggggtaca gtggtgccat 180
ctcagctgac tgcaacctcc gctccgggt tcaagtgatt gtctgcctc agcctcctga 240
gtagctggga ttacaggcgc ccaccaccat gcctggacgt cccagtgatc gggaggagt 300
ggaagagctt cagctacaac caggacgtgg tgcgtgctgt tctgacagac ggagtcctgt 360
tccaccttca gagcgtcacg gcgtasgcct catggggaa 399

<210> 14888
<211> 580
<212> DNA
<213> Homo sapiens

<400> 14888
agcgttccct gcggcgtagg aggcgggtcca gactataaaa gcggctgccg gaaagcggcc 60
ggcacctcat tcatttctac cggtctctag tagtgacgtc tcggctggtg tcatcggtgt 120
ccttctctcg ctgccgcccc cgcaaggctt cgccgtcatc gaggccattt ccagcgactt 180
gtcgcacgtc ttcttatata ctctgttccc cgccaaccgc aaccattgac gccatgtcgg 240
gttattcgag tgaccgagac cgcgccgggg accgagggtt tgggtgcacct cgatttggag 300
gaagtagggc agggccctta tctggaaaga agtttggaaa ccctgggggag aaattagtta 360
aaaagaagtg gaatcttgat gagctgccta aatttgagaa gaatttttat caagagcacc 420
ctgatttggc taggcgcaca gcacaagagg tggaaacata cagaagaagc aaggaaatta 480
cagtttagagg tcacaactgc ccgnwnnaag ttctngaktt tttatgaagc caatttcctt 540
gcaaatgtca tggatgttat tgcaagacag aatttcactg 580

<210> 14889
<211> 639
<212> DNA

<213> Homo sapiens

<400> 14889
 acaggacgtg aaasggagggc ggtttgggaa gtttagagac cattctccgc cgacaaaaac 60
 cegtcaaagg attatcagac acgcgggtcg gacgggtccac atcagccggc agcccgggcg 120
 ggtcccgggg tgcgagcagc gcacttccgt agtgcagctt cggctgggtg catcgggtgc 180
 cttcctccgc tgccgcccc gcaaggcttc gccgtcatcg aggccatttc cagegacttg 240
 tcgcacgctt ttctatatac ttcgttcccc gccaaaccga accattgacg ccatgtcggg 300
 ttattcgagt gaccgagacc gcggccggga ccgagggttt ggtgcacctc gatttggagg 360
 aagtagggca gggcccttat ctggaaagaa gtttggaac cctggggaga aattagttaa 420
 aaagaagtgg aatcttgatg agctgcctaa atttgagaag aatttttacc aagagcacc 480
 tgatttggct aggcgcacag cacaagaggt ggaaacatac agaagaagca aggaaattac 540
 agttagaggt cacaactgcc cgnwnnaagt tctngakttt ttatgaagcc aatttccctg 600
 caaatgtcat ggatgttatt gcaagacaga atttcaactg 639

<210> 14890

<211> 189

<212> DNA

<213> Homo sapiens

<400> 14890
 tttttttggc agcagcggaa gaaggagacc ggagggtgtg tgtngggcaa agccggagga 60
 gnaggaacaa gtacttgta tgtatcatag gtactgggaa gaatacagca aggggtgcaga 120
 ctatatggac tgcttatata ggtatctcaa caccagttt attaaaaaga ataaattaac 180
 agaagcggga 189

<210> 14891

<211> 328

<212> DNA

<213> Homo sapiens

<400> 14891
 ttagtagaga cagggtttca ccatgttggc caggatggtc tccatctcct gaccttgtga 60
 tccgccacc tcggcctccc aaagtgtgc gattacaggt gtgagccacc gcgccagcc 120
 ctttccttac tttttaaaat gaccttcaca gccttgagga gtccctggcca ggtgtcctgt 180
 agaatgtccc caaatctggg tttgtccgag gtttttttc atggttagac tggagttaca 240
 gatactcaaa aagaataccc cagaggggaa gtgcccttct catcacatca catcagtagg 300
 tacctgagat acacaacatc actggcga 328

<210> 14892

<211> 277

<212> DNA

<213> Homo sapiens

<400> 14892
 agacaaagca taccakatct caccannag tcctagggga ctacagaagg aaaaagacaa 60
 gaggcagtag gatattgtg tgtcctccc ctgaccacac ttcctttagt gamccgattr 120
 cctcctcaaa gtcgagaca ctatgctgcc tcccattngcm mtgccagtg tgtcctggat 180
 gctgctttcc tgccctcattc tcctgtgtca ggttcaaggt gaagaaaccc agaaggaact 240
 gccwcwcca cggatcagct gtcccaaagg ctccaag 277

<210> 14893

<211> 230

<212> DNA

<213> Homo sapiens

<400> 14893
 acatccagga taacctctca ggtactgtaa acaaggaggt tgaaaaagac acattccgga 60
 atccctttgt ctggtaaaat tggatactga tgtggatgga catgacattc attattcttg 120
 aagatataac tagttgactg ggattctgat gaaggtttga aattatggat tagatctttg 180
 tagaagtagt ttaaagattg caataagtga aatctttttt tttttttttt 230

<210> 14894

<211> 329

<212> DNA

<213> Homo sapiens

<400> 14894
 tgaatttata agagtgggaag atatcaagtc tcttactgcc catatagttg aaaactttta 60
 taaagcactt gaatcgattg aatatgttca gaywttcaaa ggattgaaga ctaaatatga 120
 gcaagaaaaa gacagacaaa atcagaaact gaacagtgtg ccatctatat tgcgtagtaa 180
 cagattncgc agagatgcaa aagccttgga agaggatgaa gaaatgtggt ttaatgaaga 240
 tgaagaagag gaaggaaaag cagttgtggc accagtggaa aaacctaagc cagaagatga 300
 ttttcagat aattatgna agtttatgg 329

<210> 14895

<211> 205

<212> DNA

<213> Homo sapiens

<400> 14895
 actcggagcg gattttttcc gcctcctgcg ccttctctcc tctcctcct ccnctctcc 60
 cctccctcct gccagatacc tcctggtagg tgtcaatggc cagctgggtgc gcgcgatggg 120
 cttggagcat agcgtgggtca aaaagaccct ctggctgtgg acaaaataat gaaggacctg 180
 gaccagtgtg gagatggcaa agtgg 205

<210> 14896

<211> 330

<212> DNA

<213> Homo sapiens

<400> 14896
 aatctgaagc ctgctggacg ctggattaga aggcagcaaa aaaagctctg tgctggctgg 60
 agccccctca gtgtgcaggc ttagagggac taggctgggt gtggagctgc agcgtatcca 120
 saggccccag gatgcaggcc ctggtgctac tcctctgcat tggagccctc ctcgggcaca 180
 gcagctgcc aaccctgcc agccccccgg agggaggcca aacacagaaa aattaggaar 240
 gacagcccca aggggnnaga accaccacc tacacaaagc cgtgaggaga cagtcctctg 300
 gcattctctgc gattccctga actcaaaccc 330

<210> 14897

<211> 307

<212> DNA

<213> Homo sapiens

<400> 14897
 aatctgaagc ctgctggacg ctggattaga aggcagcaaa aaaagctctg tgctggctgg 60
 agccccctca gtgtgcaggc ttagagggac taggctgggt gtggagctgc agcgtatcca 120
 caggccccag gatgcaggcc ctggtgctac tcctctgcat tggagccctc ctcgggcaca 180

gcagctgcc gaacctgcc agccccccgg aggagagagc tcatgcgtga tcagggagta 240
 aaactcattc ccgttttagg ccaaacacag aaaaattagg aaggacagcc ccaagggsc 300
 agaacca 307

<210> 14898
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 14898
 anccacccgc cgcacgtact aaggaaggcg cacagcccgc cgcgcctcgg ccaaggcttc 60
 aacggaccac accaaaatgc catctcaaat ggaacacgcc atggaaacca tgaygtktac 120
 atttcrcaaa ttcgctgggr ataaaggcta cttacaaaag gaggacctga gagtactcat 180
 ggaaaaggag ttccctggat ttttgaaaa tcaaagaccc tctggctgtg gacaaaataa 240
 tgaaggacct ggaccagtgt agagatggca aagtgggctt ccagagcttc tttccctaa 300
 ttgcgggcct caccattgca tgcaatgact attttgtagt acacatgaag cagaagggaa 360
 agaagtaggc agaaatgagc agttcgctcc tccctgataa gagggtcgctt 420
 aaggaatctg cccacacagc tccccatag aaggatttca tgagcagatc aggacactta 480
 gcaaattgaa aaataaaatc taactctcat ttgacaagca gagaaagaaa agttaataac 540
 cagataagct tttgattttt gtattgtttg catccccttg cc 582

<210> 14899
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 14899
 aaaggaggar ggacagcagg gccaacagtc acagcagccc tgaccagagc attcctggag 60
 ctcaagctcc tctacaaaga ggtggacaga gaagacagca gagaccatgg gacccccctc 120
 agccccctcc tgcagattgc atgtcccctg gaaggaggctc ctgctcacag cctcacttct 180
 aaccttctgg aaccacacca ccaactgccaa gctcactatt gaatccacgc cgttcaatgt 240
 cgagaggggg aaggagggtt ttctactcgc ccacaacctg cccagaaatc gtattgggta 300
 cagctggtag aaaggcgaaa gaggtaggag caacagtcta attgtaggat atgtaatagg 360
 aactcmaca agctacccca gggcccgcat acagtggctg agagacaata taccccaatg 420
 catccctgct gatccagaa 439

<210> 14900
 <211> 2000
 <212> DNA
 <213> Homo sapiens

<400> 14900
 ccaaatgaat ttgatagcca aattgagaca atttcagcaa atctgtaagc agtttgtatg 60
 ttttagttggg gtaatgaagt atttcagttt tgtgaataga tgacctgttt ttacttcctc 120
 accctgaatt cgttttgtaa atgtagagtt tggatgtgta actgaggcgg gggggagttt 180
 tcagtatttt tttttgtggg ggtgggggca aaatatgttt tcagttcttt ttcccttagg 240
 tctgtctaga atcctaaagg caaatgactc aaggtgtaac agaaaacaag aaaatccaat 300
 atcaggataa tcagaccacc acaggtttac agtttataga aactagagca gttctcacgt 360
 tgaggctctg ggaagagatg tccattggag aaatggctgg tagttactct tttttcccc 420
 cacccttata atcagacttt aaaagtgtt aaccctttaa acttggtatt ttttacttga 480
 agcatttttg gatggtctta acagggaaga gagaggggtg gggagaaaat gtttttttct 540
 aagattttcc acagatgcta tagtactatt gacaaactgg gttagagaag gaggtagaccg 600
 ctgtgctgtt ggcacgaaca ccttcaggga ctggagctgc ttttatcctt ggaagagtat 660
 tcccagttga agctgaaaag tacagcacag tgcagctttg gttcatattc agtcatctca 720

ggagaacttc	agaagagctt	gagtaggcca	aatgttgaag	ttaagttttc	caataatgtg	780
acttctttaa	agttttatta	aaggggaggg	gcaaataattg	gcaattagtt	ggcagtggcc	840
tggtasggtt	gggattgggtg	gggtgggttt	aggtaattgt	ttagtttatg	attgcagata	900
aactcatgcc	agagaactta	aagtcttaga	atggaaaaag	taaagaaata	tcaacttcca	960
agttggcaag	taactcccaa	tgatttagtt	tttttcccc	cagtttgaat	tgggaagctg	1020
ggggaagtta	aatatgagcc	actgggtgta	ccagtgcatt	aatttgggca	aggaaagtgt	1080
cataatttga	tactgtatct	gttttccttc	aaagtataga	gcttttggg	aaggaaagta	1140
ttgaactggg	ggttgggtctg	gcctactggg	ctgacattaa	ctacaattat	gggaaatgca	1200
aaagttgttt	ggatatggta	gtgtgtgggt	ctcttttgga	atttttttca	ggtgatttaa	1260
taataattta	aaactactat	agaaactgca	gagcaaagga	agtggcttaa	tgatcctgaa	1320
gggatttctt	ctgatggtag	cttttgtatt	atcaagtaag	attctatttt	cagttgtgtg	1380
taagcaagtt	tttttttagt	gtaggagaaa	tacttttcca	ttgtttaact	gcaaaacaag	1440
atgttaaggt	atgcttcaaa	aattttgtaa	attgtttatt	ttaaacttat	ctgtttgtaa	1500
attgtaactg	attaagaatt	gtgatagttc	agcttgaatg	tctcttagag	ggtgggcttt	1560
tgttgatgag	ggaggggaaa	cttttktttt	ttycwataga	cttttttycag	ataamatcty	1620
ckgagtmawa	accagcctgg	cagtatgatg	gcctagatgc	agagaaaaaca	gctccttggt	1680
gaattgataa	gtaaaggcag	aaaagattat	atgtcatacc	tccattgggg	aataagcata	1740
accctgrgat	tctwactact	gatgagaaca	ttatctgcat	atgccaaaaa	attttaagca	1800
aatgaaagct	accaatttaa	agttacggaa	tctaccattt	taaagttaat	tgcttgtcaa	1860
gctataacca	caaaaataat	gaattgatga	gaaatacaat	gaagaggcaa	tgtccatctc	1920
aaaatactgc	ttttacaaaa	gcagaataaa	agcgaaaaga	aatgaaaatg	ttacactaca	1980
ttaatcctgg	aataaaaagaa					2000

<210> 14901

<211> 2115

<212> DNA

<213> Homo sapiens

<400> 14901

agaactgaga	gaggagggga	cagagaggtg	tcctgggect	gaccccgccc	atgagcctga	60
gaagtgtccc	tgccccggga	agaggctcag	cacagaarga	ggaaggacag	cacagctgac	120
agycgtgctc	agasagtttc	tgatcctcgc	gcttatctcc	acagaggaga	acacacaagc	180
agcagagacc	atgggaaccc	tctcagcccc	tccctgcaca	cagcgctata	atgagaatga	240
tgactcaggc	tgcggtctgtg	cacagggcct	gggtgctgga	agcggggggg	agttttcagt	300
attttttttt	gtggrggtgg	gggcaaaaata	tgttttcagt	tctttttccc	ttaggtctgt	360
ctagaatcct	aaaggcaaat	gactcaaggt	gtaacagaaa	acaagaaaaat	ccaatatcag	420
gataatcaga	ccaccacagg	tttacagttt	atagaaacta	gagcagttct	cacgttgagg	480
tctgtggaag	agatgtccat	tgagagaaatg	gctggtagtt	actctttttt	ccccccaccc	540
ccttaatcag	actttaaaaag	tgcttaaccc	cttaaacctg	ttatttttta	cttgaagcat	600
tttgggatgg	tcttaacagg	gaagagagag	gggtggggag	aaaatgtttt	tttctaagat	660
tttccacaga	tgctatagta	ctattgacaa	actgggttag	agaaggagtg	taccgctgtg	720
ctgtttggcac	gaacaccttc	agggactgga	gctgctttta	tccttggaag	agtattccca	780
ggtgaagctg	aaaagtacag	cacagtgcag	ctttgggttca	tattcagtc	tctcaggaga	840
acttcagaag	agcttgagta	ggccaaatgt	tgaagttaag	ttttccaata	atgtgacttc	900
ttaaaagtgt	tattaaaggg	gaggggcaaa	tattggcaat	tagttggcag	tggcctgtta	960
sggttgggat	tggtgggggtg	ggttttaggt	attgttttagt	ttatgattgc	agataaactc	1020
atgccagaga	acttaaaagtc	ttagaatgga	aaaagtaaag	aaatatcaac	ttccaagttg	1080
gcaagtaact	cccaatgatt	tagttttttt	ccccccagtt	tgaattggga	agctggggga	1140
agttaaatat	gagccactgg	gtgtaccagt	gcattaattt	gggcaaggaa	agtgtcataa	1200
tttgatactg	tatctgtttt	ccttcaaagt	atagagcttt	tggggaagga	aagtattgaa	1260
ctgggggttg	gtctggccta	ctgggctgac	attaactaca	attatgggaa	atgcaaaagt	1320
tgtttgata	tggtagtgtg	tggttctctt	ttggaatttt	tttcaggtga	tttaataata	1380
atttaaaact	actatagaaa	ctgcagagca	aaggaaagtg	cttaatgatc	ctgaagggat	1440
ttcttctgat	ggtagctttt	gtattatcaa	gtaagattct	attttcagtt	gtgtgtaagc	1500

aagttttttt	ttagtgtagg	agaaatactt	ttccattggt	taactgcaaa	acaagatggt	1560
aaggtatgct	tcaaaaattt	tgtaaattgt	ttatttttaa	cttatctggt	tgtaaattgt	1620
aactgattaa	gaattgtgat	agttcagctt	gaatgtctct	tagaggggtg	gcttttgttg	1680
atgaggagg	ggaaactttt	kttttttycw	atagactttt	tycagataam	atctyckgag	1740
tmawaaccag	cctggcagta	tgatggccta	gatgcagaga	aaacagctcc	ttggtgaatt	1800
gataagtaaa	ggcagaaaag	attatatgtc	atacctccat	tggggaataa	gcataaccct	1860
grgattctwa	ctactgatga	gaacattatc	tgcataatgcc	aaaaaatttt	aagcaaataa	1920
aagctaccaa	tttaaagtta	cggaatctac	catttttaaag	ttaattgctt	gtcaagctat	1980
aaccacaaaa	ataatgaatt	gatgagaaat	acaatgaaga	ggcaatgtcc	atctcaaaat	2040
actgctttta	caaaagcaga	ataaaagcga	aaagaaatga	aatgtttaca	ctacattaat	2100
cctggaataa	aagaa					2115

<210> 14902

<211> 327

<212> DNA

<213> Homo sapiens

<400> 14902

agaactgaga	gaggagggga	cagagaggtg	tcttgggcct	gaccccgccc	atgagcctga	60
gaagtgtctc	tgcccyggga	agaggctcag	cacagaagga	ggaaggacag	cacagctgas	120
agcctrctc	aggaagyttc	tggatcctag	gctcakctcc	acagaggaga	acacgcaggc	180
agcagagacc	atggggcccc	tcagcccctc	cctgcacaca	gcgcggtagg	gcatgttggt	240
ggtgtaaaag	ggaaaaatgt	gtgaacatag	gggcaaattt	ctagagggcc	tttgacaaga	300
cccatttgcc	cacaatcatt	tgaggcc				327

<210> 14903

<211> 306

<212> DNA

<213> Homo sapiens

<400> 14903

agaactgaga	gaggagggga	cagagaggtg	tcttgggcct	gaccccgccc	atgagcctga	60
gaagtgtctc	tgcccyggga	agaggctcag	cacagaagga	ggaaggacag	cacagctgas	120
agcrtgctc	aggaagtttc	tggatcctag	gctcakctcc	acagaggaga	acacgcaggc	180
agcagagacc	atggggcccc	tcagcccctc	cctgcacaca	gcgcggtagg	gcatgttagg	240
ggtaaaagga	ggncaatttc	tagaggccct	ttgacaagac	ccatttgccc	acaatcattt	300
gaggcc						306

<210> 14904

<211> 414

<212> DNA

<213> Homo sapiens

<400> 14904

agaactgaga	gaggagggga	cagagaggtg	tcttgggcct	gaccccgccc	atgagcctga	60
gaagtgtctc	tgcccyggga	agaggctcag	cacagaagga	ggaaggacag	cacagctgas	120
agcrtgctc	agraagtttc	tggatcctag	gctcakctcc	acagaggaga	acacgcaggc	180
agcagagacc	atggggcccc	tctcagcccc	tccctgcaca	sagrcratca	cctggaagg	240
gctcctgctc	acagccggaa	gttctggtcc	tttgggatat	aggtttcttc	aaactcctgg	300
taggtgtcaa	tggccagctg	gtgcgcgcga	tgggcttgga	gcatagcgtg	gtcaaaaagc	360
ctgataaagg	gaaccagagc	gtacgactgt	gtaccagggc	cacacagccc	tact	414

<210> 14905

<211> 319

<212> DNA
<213> Homo sapiens

<400> 14905
agaactgaga gaggagggga cagagaggtg tcctgggcct gaccccgccc atgagcctga 60
gaagtgtccc tgcccyggga agaggctcag ygcagaagga ggaaggacag cacagctgas 120
agccrtgctc aggaagtttc tggatcctag gctcatctcc acagaggaga acacacaggc 180
agcagagacc atggggcccc tctcagcccc tccctgcaca gagcaccggg gttttctcgt 240
gtgaatgtgc gggcaggtat ttttggccac atctgtatat ttgtctatta atgtgatgta 300
tttgagtatt gttgtgggg 319

<210> 14906
<211> 504
<212> DNA
<213> Homo sapiens

<400> 14906
agaactgaga gaggagggga cagagaggtg tcctgggcct gaccccgccc atgagcctga 60
gaagtgtccc tgcccyggga agaggctcag cacagaagga ggaaggacag cacagctgac 120
agccgtctc agacagcttc tggatcctag gctyatctcc acagaggaga acacacaagc 180
agcgtgccac cctttgaacc tttgtctcct ttggccctg gaaaccctgg gaatccagga 240
aaagtctggcc ccaaggggccc catggggcct aaaggtggcc cagggggcccc tggagcccca 300
ggcccccagg gtgaatcggg agactacaag gccaccaatt tgcctatctc taaaaataat 360
taaaaaatta gccagatgtg gtggcacatg cctgtggtcc cagttactca ggaggctgag 420
gggggaggat cacttgagtc caggagttct gggctgtagt gcgctatgcc gatcgggtgt 480
ccgcactaag ttcggcatca atat 504

<210> 14907
<211> 343
<212> DNA
<213> Homo sapiens

<400> 14907
taacagaaaa ggatgaagaa aaaatgattt gtaggcttgg agcctaagaa tctagggaaa 60
tgatgggtgt catttactga acaagtgaat atagagacat gatctgggtt aggaggggac 120
tttgatctga ttttgacat gctattatgt cccatagcca ggcagtcaag caaaaagacc 180
tgctaggtat ttggacatgc gcaactgaaa tttcaatggg aaaacagggc tagcaatgta 240
gacttggaac ccttcaacac aaaatgagga ttgaaacat aaacgtgagc cttagggaaa 300
acccacagta gacaaaaaga agaraaagga ggcaggagaa gga 343

<210> 14908
<211> 352
<212> DNA
<213> Homo sapiens

<400> 14908
actattgcgg ccgccctctg ctgcgcctga agagagaggg gactctacaa gcctcacagc 60
atgcactgtt actaaaaaga cgatgcgtcc tcctggagct gagatctgtg tgatcgtggg 120
aaagcgacga aaaacgaaca aaggaacagt aaatggagta acttggctag aatatggcag 180
taactacaag gcatgttctg ctctggcacg aagacaaccc acctgaggca ccagacacat 240
gagtgaagcc atcttggaca tcccagtcas agccaaactc amtcctgagt gcatctgcat 300
gatgaaccca gcaatcccaa ccatggagca aaggatccaw ccagtcaacc ca 352

<210> 14909

<211> 107
 <212> DNA
 <213> Homo sapiens

<400> 14909
 aaaagggtga ctctttcctg tcccggcctg cgtggtgtgg gcttggtggg ctttgagacc 60
 cgaaaattga gagcgttttc ggggtctcaa gaccacaag ccctatc 107

<210> 14910
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 14910
 tatgaggatt aaataagcag atgtacataa acatgggttg aagagtgcct cacacatgat 60
 ggtgctcag ttgatgtcat tcctctctgc cttcctcctt gaaagtttta gaaaaagact 120
 cagtggagga gagagttcac 140

<210> 14911
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 14911
 aaagacacta agattttaca tggacatctt gaaaatgttc tttgcatttt atttcagatt 60
 ggaagagtag gaagattagg tcaaaatgga acagcgatta ctttcatcaa taataattca 120
 aaaagactct tctgggatat tgcaaaacga gtaaaagcca caggatccat tcttccccct 180
 cagttattaa attccccata ctttcatgac cagaagagaa aggaacaaca gawagataaa 240
 cagacacaga atgatctggt tacagga 267

<210> 14912
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 14912
 atatctgtat aatgggcata aaaagactgc tcccctcatc tgatggctat gataaataaa 60
 tgagatgatc taggtgaagc acttagagaa atgccagctc acagagcgtg ctcaataaac 120
 attagccatc atcattgcat caccagcact accactgccg ccatcatcat ca 172

<210> 14913
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 14913
 agcatgcgcg ccggcgacca cgcctaaata gccgcagcct ctgcgcgctg ccctccacgg 60
 ttaccccggc tctccgcccc tccttctcgc ggcgctcgag ggaccatggc cgatcctcgc 120
 gtgagacaga tcaagatcaa gaccggcgtg gtgaagcggg tggtaaaga aaaagtgatg 180
 tatgaaaaag aggcaggaga mtcacttgaa cccagaargt ggaggttgca gtgacccgag 240
 atcatgccac tgcatycc 258

<210> 14914
 <211> 242

<212> DNA
<213> Homo sapiens

<400> 14914
aaatctcctc cctgaatcgc gcacagcgct gcagatccca ctgctccgac atgcggggccg 60
aatgcagggtg agaaaaggca cggactctgc ggctgcgaac ccaaacttgg gcaccgcacg 120
gtgcgcactg ctcagccttc gccccgtgg gcgaaaggct gctgcggttt caggcggtg 180
cttcgtgact aatgaccttk cgcagagttg ttaagaaaa agagaaacc gcgtctccg 240
gg 242

<210> 14915
<211> 466
<212> DNA
<213> Homo sapiens

<400> 14915
gccgggttcc gtgtgtctat gtcaatgtgt ctgtccttca ctctccatt gtctgccgcc 60
actgctgctg ctgctgctgc tgccgctgct gctgcacgaa tcgycgcagc cccagcctt 120
gcgcgtcgtc gctacctcct cggacagaaa ttttatgaat aagcatcaga agccagtgt 180
aacaggccag cggttcaaaa ctcgaaaaag ggatgaaaa gagaaattcg aaccacagt 240
cttcagggt acacttgctc aggggcttaa tgaggctggt gatgacctg aagctgtagc 300
caaatttctg gactctacag gctcaaatta gattatcgtc gctatgcaga cacactctc 360
gatatcctgg tggtggtcag tatgcttgcc cctggaggaa cgcgcataga tgatggtgac 420
aagaccaaga tgaccaacca ctgtgtgttt tcagcaaatg aagatc 466

<210> 14916
<211> 169
<212> DNA
<213> Homo sapiens

<400> 14916
agagacagg ccgtgcaggc agagtgggtg tcagggcagg gctgggagca ggtgcctgag 60
ctgaggcagg tggggagagg ggagangtgg tccagtctag ggtacttgg tatcagccct 120
ttcatttgtt ctctaaaacc aggtgaaaa agagaacaga cttaacggg 169

<210> 14917
<211> 161
<212> DNA
<213> Homo sapiens

<400> 14917
tagacaggaa aaaaaggaag gcgtgagggc gggcagcagc gacaggatgc ttgtttttcg 60
ctctacaaa gtcgtctgaa ggcgagacag cgggccagg gcagcagcga caggatgctt 120
gtttttcgct ctaccaaagt cgtctgaagg cgagacagc g 161

<210> 14918
<211> 472
<212> DNA
<213> Homo sapiens

<400> 14918
anaatactgg cgctcgtggc gccgccttct cacactttca ggctctgac gcggccgcag 60
tttttcttt tttctctgc cgctgccttc tctgcctctt ctcatcctt ctgcgtctgc 120
tgctctgcag tgtgacgagt ccgaatctc ttccacca gcccgcgcct ttcttcttt 180

004220"6667560

gcctgcgctg	ttctatttct	ccttcggccg	ccgcgcacac	tgctgcacac	agctggtgtc	240
ggtgccgcgc	ttttaccccc	aagtcgttcc	cgcagcctat	ggcccaggcc	gccttgggta	300
tttctgctca	aggtaacccac	atccctcttt	aaaaattccg	ccgaaaaaga	gaagacgctt	360
taccgcactc	tttgggccgt	tatctcacgg	cgaactttct	gaccaagtat	acaactaccc	420
agagggccta	ggagaagtgc	tgtaatagag	agcaggttcg	acttcaacgc	tg	472

<210> 14919

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14919						60
anaatactgg	cgctcgctggc	gccgccttct	cacactttca	ggctctgac	gcggccgcag	120
tttttccttt	tttcttctgc	cgctgccttc	tctgcctctt	ctcatccttt	ctcgtctctgc	178
tgctctgcag	tgtgacgagg	aaagccgaag	agatgaggcg	gcagcagaag	ctaaagca	

<210> 14920

<211> 368

<212> DNA

<213> Homo sapiens

<400> 14920						60
agagagtggg	gacgtccggc	ttcggagcgg	gagtgttcgt	tgtgccagcg	actaaaaaga	120
ggtgagagcg	ggtcgcggag	gccgcacctg	gnntagaggc	agagctgttg	gaggcgcgca	180
cttgcgagcg	accgaaaccc	aagcggggag	cattcgagtg	gagcccgcg	tggttgggag	240
ggcggggagt	gaagaccctg	grstgtggtc	agaccgagct	gggcgagtaa	cggcttgagg	300
tgcggcggag	cctaactagg	gacaggtatg	gtctcggcca	gggactggag	gctggcttga	360
tacagatccg	aggaggaggc	ggcctcttcc	gtagtgggtg	ctgaagggct	atggaaatga	368
taggcaag						

<210> 14921

<211> 526

<212> DNA

<213> Homo sapiens

<400> 14921						60
gcggcgctgas	ggttgcttgg	gccagaaggt	tctctggtgg	aggcgctctt	cctggtgtcc	120
cgcccagtag	gtgattgaat	tactcagata	tgaagatcat	catctaggtt	ttgtgtaaaa	180
ggccctggat	attttaagtg	gccatttttg	atttacagtg	tttttgata	attttgcccc	240
agaagtttat	taaaattggc	aagaatcgtc	tgtgaagtga	attgatagta	gtgaacaatt	300
cagcaagcta	cttaaaaaaga	gacccaggca	gcatttcttc	agtatttttg	ttcaaacgga	360
ttatattaac	tggttacagt	atttcagctg	gtggttaattt	ttgcctcccc	ttccccacc	420
ccgttggttg	ggttcttcag	ccgaaactga	gagacgttga	tttgtgtact	gagtagtttc	480
agcagtttca	aatgactgag	tattgctgaa	gtttcatggc	agtttatttt	tacctttatt	526
gaaagtttta	ggaatttttg	acttcagctc	tttcatgtca	caatgg		

<210> 14922

<211> 609

<212> DNA

<213> Homo sapiens

<400> 14922						60
tttgcgatc	gggtcggcgc	cattttggga	ctgagactgg	ttgtggggga	gggaaaagcg	120
gcaaaagggg	attattcaaa	gtaccgaaaa	ccttctcccc	ggatcaggcg	cggcggcacc	


```

cccaggccag gggcacctct ggtggggcag aaggtgattg aattactcag atatgaagat 180
catcatctag gttttgtgta aaaggccctg gatattttaa gtggccattt tggatttaca 240
gtgttttttg ataattttgc cccagaagtt tattaataat ggcaagaatc gtctgtgaag 300
tgaattgata gtagtgaaca attcagcaag ctacttaaaa agagaccag gcagcatttc 360
ttcagtattt tggttcaaac ggattatatt aactggttac agtatttcag ctgggtggtaa 420
tttttgcttc cccttcccc acccggttgt tggggttctt cagccgaaac tgagagacgt 480
tgatttgtgt actgagtagt ttcagcagtt tcaaagtact gagtattgct gaagtttcat 540
ggcagtttat ttttaccttt attgaaagtt ttaggaattt ttgacttcag ctctttcatg 600
tcacaatgg 609

```

<210> 14923
 <211> 126
 <212> DNA
 <213> Homo sapiens

```

<400> 14923 60
tccttgaggt ccacagcatc caccgccgga gcctcgctt cttttctccc tctgcagaca 120
caacgagaca caaaaagaga ggcaaccctt asaccaccgc gaaggacca tctgcacat 126
gaccga

```

<210> 14924
 <211> 444
 <212> DNA
 <213> Homo sapiens

```

<400> 14924 60
gtctcttttc gccatctttc cgcgcgcgca caatgggtgc catgaatgct ctggcagatg 120
ctctcaagag tatcaacaat gccgaaaaga gaggcaaacg ccagggtgctt attaggccgt 180
gtcccaaagt catcgctcgg tttctcactg tgatgatgaa gcatggttac attggcgaat 240
ttgaaatcat tgatgaccac aggctgtata aatagcttat agtgagaagt actgtgctca 300
aattttacat ttttttctt tgcaaattct gtaatttcac tcaacgatta agtctaccaa 360
agaacacact gcatgtaaaa gatgtattac aatctcaaag ccagtaaaag aaatcttgct 420
tactgttca cctgctacaa gtaagagtct ggtgctggta gaaacatttg actctgatgt 444
ctattttatt ctacataaga gcc

```

<210> 14925
 <211> 434
 <212> DNA
 <213> Homo sapiens

```

<400> 14925 60
tgtaaagtga tttcacaatg tgaagagaaa aaaaaattgc cactatgacc aaacgcacag 120
tctgttctgc agcaacaacg ggattcaatc aactcagtcg tgattcagcc gtagaaatgc 180
ttttctttta tcttgtttga gcttttctt tctttctgt tttgatttgc aaaagaaaat 240
gtctttttkg tgtgaacttg tgttgtaact tgtagaaaat tatggatttt actttaatgg 300
tttaaaaaaa ggcaaggaga gccctgtcgt cttttcttac ctaatcacag agtttgtgta 360
gtgaatttaa aaagaaaaaa aaattgttat aagtttggag caagggawta tgtgtttcaa 420
aggaatctcc ttcctttttt tgtgtgtttt tcttttgc ccaatgggga acctaaatct 434
gttttaattg caca

```

<210> 14926
 <211> 1428
 <212> DNA
 <213> Homo sapiens

<400> 14926
 gtaaagaagt catggcggcg ctgtgtcgga cccgtgctgt ggctgccgag agccattttc 60
 tgcgagtgtt tctctttctt aggccctttc ggggtgtagg cactgagagt ggatccgaaa 120
 gtggtagttc caatgccaag gagcctaaga cgcgcgcagg cggtttcgcg agcgcgttgg 180
 agcggcactc ggagcttcta cagaaggtag agccctaca gaaggggtct ccaaaaaatg 240
 tggaatcctt tgcattctat ctgagacatt ctctctttac acagatggga cctgcaaagg 300
 ataaactggg cattggacgg cgctrtgtcg gaccctgtct gtggctgccg agagccattt 360
 tctgcgagtg tttctcttct tcaggccctt tcggggtgta ggcactgaga gtggatccga 420
 aagtggtagt tccaatgcc aaggagcctaa gacgcgcgca ggcggtttcg cgagcgcgtt 480
 ggagcggcac tcggagcttc tacagaaggg ttctccaaaa aatgtggaat cctttgcatc 540
 tatgctgaga cattctcttc ttacacagat gggacctgca aaggataaac tggtcattgg 600
 acggatcttt catattgttg agaanwrtct gtacatagat tttrnttga aagtttcatt 660
 gtgtatgtag aagaccagaa gtggatggag araaatacsa gaaagaagtc atggcggcgc 720
 tgtgtcggac ccgtgctgtg gctgccgaga gccattttct gcgagtgttt ctcttcttca 780
 ggccctttcg ggggtgtaggc actgagagtk gawycgaaaa gkggtagtgc caatgccaag 840
 gagcctaaga cgcgcgcagg cggtttcgcg agcgcgttgg agcggcactc ggagcttcta 900
 cagaaggtagt agcccttaca gaagggttct ccaaaaaatg tggaatcctt tgcattctatg 960
 ctgagacatt ctctctttac acagatggga cctgcaaagg ataaactggg cattggacgg 1020
 atctntcata ttgtggagaa tgatctgtac atagattttg gtggaaagtt tcattgtgta 1080
 tgtagaagac cagaagtggg tggagagaaa taccagaaag gaaccagggt mmggttgm 1140
 ctattagatc ttgaacttac gtctaggttm mtgggagcaa caacagatac aactgtacta 1200
 gaggtcaatg cagttctctt ggggaatccag gagagtaaag actcaagatc gaaagaagaa 1260
 catcatgaaa aataaatgaa ctttgcttag tggattgact cctttgctga agtcagttat 1320
 tcatcaagaa tgcaattaga ctaattgtga ataatgatt gaatgaagat ataataata 1380
 aaagctataa ttatagataa ctcttattag aattttcttt agcaatat 1428

<210> 14927
 <211> 1341
 <212> DNA
 <213> Homo sapiens

<400> 14927
 ctctttggca agtttgggco tgccttaagt gtgaaagtaa tgactgatga aagtggaaaa 60
 tccaaaggat ttggatttgt aagctttgaa aggcattgaa atgcacagaa agctgtggan 120
 gnnatgaacg gaaaggagct caatggaaaa caaatttatg ttggtcgagc tcagaaaaag 180
 gtggaacggc agacggaact taagcgcaaa tttgaacaga tgaaacaaga taggtacc 240
 agataccagg gtgttaatct ttatgtgaaa aatcttgatg atggtattga tgatgaacgt 300
 ctccggaaaag agttttctcc atttgggtaca atcactagtg caaaggttat gatggagggt 360
 ggtcgcagca aagggttttg ttttgtatgt ttctctccc cagaagaagc cactaaagca 420
 gttacagaaa tgaacggtag aattgtggcc acaaagccat tgtatgtagc tttagctcag 480
 cgcaaagaag agcgcagggc tcacctcact aaccagtata tgcagagaat ggcaagtgt 540
 cgagctgttc ccaaccctgt aatcaacccc taccagccag cacctccttc aggttacttc 600
 atggcagcta tcccacagac tcagaaccgt gctgcatact atctctctag ccaaattgct 660
 caactaagac caagtcctcg ctggactgct cagggtgcca gacctcatcc attccaaaat 720
 atgcccgggtg ctatccgccc agctgtctct agaccaccat ttagtactat gagaccagct 780
 tcttcacagg ttccacaggt catgtcaaca cagcgtgttg ctaacacatc aacacagaca 840
 atgggtccac gtctgcagc tgcagccgct gcagctactc ctgctgtccg caccgttcca 900
 cagtataaat atgtgcagc agttcgcaat cctcagcaac atcttaatgc acagccacaa 960
 gttacaatgc aacagcctgc tgttcattga caaggctcagg aacctttgac tgcttccatg 1020
 ttggcatctg cccctcctca agagcaaaaag caaatgttgg gtgaacggct gtttcctctt 1080
 attcaagcca tgcaccctac tcttgctggg aaaatcactg gcatgttgtt ggagattgat 1140
 aattcagaac ttcttcatat gctcagatct ccagagtcac tccgttctaa ggttgatgaa 1200
 gctgtagctg tastacaagc ncaccaagct aaagaggctg cccagaaagc agttaacagt 1260

00513999.022400

gccaccggtg ttccaactgt ttaaaattga tcagggacca tgaaaagaac ttngtgcttc 1320
accgaagaaa aatatctaaa c 1341

<210> 14928
<211> 1340
<212> DNA
<213> Homo sapiens

<400> 14928
agagggcgaa ggtaggtctg cagatacgtt cgtcagcttg ctctttctg cccgtggacg 60
ccgccgaaga agcatcgta aagtctctct tcaccctgcc gtcagtcta agtcagagtc 120
tcctaaagag cccgaacagc tgaggaagct cttcattgga gggttgagct ttgaaacaac 180
tgatgagagc ctgaggagcc attttgagca atggggaacg ctcacggact gtgtggtaat 240
gagagatcca aacaccaagc gctccagggg ctttgggttt gtcacatatg ccaactgtgga 300
ggaggtggat gcagctatga atgcaaggcc acacaagggt gatggaagag ttgtggaacc 360
aaagagagct gtctccagag aagattctca aagaccaggt gccacttaa ctgtgaaaaa 420
gatatttggt ggtggcatta aagaagacac tgaagaacat cacctaagag attattttga 480
acagtatgga aaaattgaag tgattgaaat catgactgac cgaggcagtg gcaagaaaag 540
gggctttgcc tttgtaacct ttgacgacca tgactccgtg gataagattg tcattcagaa 600
ataccatact gtgaatggcc acaactgtga agttagaaaa gccctgtcaa agcaagagat 660
ggctagtgct tcatccagcc aaagaggtcg aagtgggtct ggaaactttg gtgggtggtcg 720
tggaggtggg ttccgtggga atgacaactt cggtcgtgga ggaaacttca gtggctgtgg 780
tggctttggt ggcagccgtg gtgggtgggtg atatggtggc agtggggatg gctataatgg 840
atgtggtaat gatggaagca attttggagg tgggtggaagc tacaatgatt ttgggaatta 900
caacaatcag tcttcaaatt ttggacccat gaagggagga aattttggag gcagaagctc 960
tggcccctat ggcggtggag gccaatactt tgcaaaacca cgaaaccaag gtggctatgg 1020
cggttccagc agcagcagta gctatggcag tggcagaaga ttttaattag gaacaaagct 1080
tagcaggaga ggagagccag agaagtgaca gggaagctac aggttacaac agatttgtga 1140
actcagccaa gcacagtggg ggcagggcct agctgctaca aagaagacat gttttagaca 1200
aatactcatg tgtatgggca aaaaactcga ggactgtatt tgtgactaat tgtataacag 1260
gttatttttag tttctgttct gtggaaaagt taaagcattc caacaaaggg ttttaatgta 1320
gatttttttt ttgcacccca 1340

<210> 14929
<211> 1186
<212> DNA
<213> Homo sapiens

<400> 14929
acagtgcgtc tggccggcgc tttatagctg cagcctgggc ggctccgcta gctgtttttc 60
gtcttcccta ggctatttct gccgggcgct ccgcgaagat gcagctcaag ccgatggaga 120
tcaaccccga gatgctgaac aaagtgtgtt cccggctggg ggtcgccggc cagtggcgct 180
tcgtggacgt gctggggctg gaagaggagt ctctgggctc ggtgccagcg cctgcctgct 240
cgctgctgct gctgtttccc ctcacggccc agcatgagaa cttcaggaaa aagcagattg 300
aagagctgaa gttctcatgc tgggccgtga ggkgaacag cagcgcagtt cggcgggtccc 360
gcgggtctgt ctcttgcttc aacagtgttt ggacggaaca gatccgggga ctctcttcca 420
gcctccgacc gccctccgat ttcctctccg cttgcaacct ccgggaccat ctctctggcc 480
atctcctgct tctgggacct gccagcaccg tttttgtggg tagctccttc ttgccaacca 540
accatgagct cccagattcg tcagaattat tccaccgacg tggaggcagc cgtcaacage 600
ctggtcaatt tgtacctgca ggccctctac acctacctct ctctgggctt ctatttcgac 660
cgcgatgatg tggctctgga aggcgtgagc cacttcttcc gcgaaytggc cgaggagaag 720
cgcgagggct acgagcgtct cctgaagatg caaaaccagc gtggcgggcg cgctctcttc 780
caggacatca agaagccagc tgaagatgag tggggtaaaa cccywgacgc catgaaagct 840
gccatggccc tggagaaaaa gctgaaccag gcccttttgg atcttcatgc cctgggttct 900

gcccgcacgg	accyccatct	ctgtgacttc	ctggagactc	acttcctaga	tgaggaagtg	960
aagcttatca	agaagatggg	tgaccacctg	accaacctcc	acaggctggg	tggcccgag	1020
gctgggctgg	gcgagtatct	cttcgaaagg	ctcactctca	agcacgacta	agagccttct	1080
gagcccagcg	acttctgaag	ggcccccttg	aaagtaatag	ggcttctgcc	taagcctctc	1140
cctccagcca	ataggcagct	ttcttaacta	tcctaacaag	ccttgg		1186

<210> 14930

<211> 1158

<212> DNA

<213> Homo sapiens

<400> 14930						60
aagagccggt	tcggcgcgctc	gactgcccag	agtcgcgggc	cggggcgcg	gaggagccaa	120
gccgccatgg	cctaccacag	cttcctgggtg	gagcccatca	gctgccacgc	ctggaacaag	180
gaccgcaccc	agattgccat	ctgccccaac	aacctgagg	tgcatagacc	aagggtgcacg	240
agctcaagga	gcacaacggg	caggtgacag	gcactgactg	ggcccccgag	agtaaccgta	300
ttgtgacctg	cggcacagac	cgcaacgcct	acgtgtggac	gctgaagggc	cgcacatgga	360
agcccacgct	ggatcatctg	cggatcarcc	gggctkcccg	cgcgctcgact	gcccagagtc	420
cgcgccgggg	gcgcggggagg	agccaagccg	ccatggccta	ccacagcttc	ctggtggagc	480
ccatcagctg	ccacgcctgg	aacaaggacc	gcacccagat	tgccatctgc	cccaacaacc	540
atgaggtgca	tatctatgaa	aagagcgggtg	ccaaatggac	caagggtgcac	gagctcaagg	600
agcacaacgg	gcaggtgaca	ggcatcgact	gggccccga	gagtaaccgt	attgtgacct	660
gcggcacaga	ccgcaacgcc	tacgtgtgga	cgctgaagg	ccgcacatgg	aagcccacgc	720
tggtcatcct	gcggatcaac	cggtgtgccc	gctgctgctg	ctgggcccc	aacgagaaca	780
gtttgctgtg	gnaaaaggyt	ckgcgygtcg	actgcccaga	gtccgcggcc	ggggcgcggg	840
aggagccaag	ccgccatggc	ctaccacagc	ttcctgggtg	agcccatcag	ctgccacgcc	900
tgaacaagg	accgcaccca	gattgccatc	tgccccaaaca	accatgaggt	gcatacttat	960
gaaaagagcg	gtgccc aaatg	gaccaagggtg	cacgagctca	aggagcaca	cgnnnagggtg	1020
acaggcatcg	actggggcccc	cgagagtaac	cgtattgtga	cctgcggcac	agaccgcaac	1080
gcctacgtgt	ggacgctgaa	gggccgcaca	tggaagccca	cgctggtcat	cctgcgatna	1140
ccgggggtgcc	cgctgcgtgc	gctggggcccc	caacgagaac	agtttgctgt	ggnaaaaggc	1186
tctcgtgtga	tctccatc					

<210> 14931

<211> 1056

<212> DNA

<213> Homo sapiens

<400> 14931						60
aaaaaattga	gcccgcagcc	tcccgtctcg	ctctctgctc	ctcctgttcg	acagtcagcc	120
gcatcttctt	ttgcgtcgcc	agccgagcca	catcgctcag	acacccatggg	gaagggtgaag	180
gtcggagtca	acggatttgg	tcgtatttgg	cgcttggtca	ccagggtctgc	ttttaactct	240
ggtaaagtgg	atattgttgc	catcaatgac	cccttcattg	acctcaacta	catggtttac	300
atgttccaat	atgattccac	ccatggcaaa	ttccatggca	ccgtcaaggc	tgagaacggg	360
aagcttgtca	tcaatggaaa	tcccatcacc	atcttccagg	agcgagatcc	ctccaaaatc	420
aagtggggcg	atgctggcgc	tgagtacgtc	gtggagtcca	ctggcgtctt	caccaccatg	480
gagaaggctg	gggtcattt	gcagggggga	gccaaaagg	tcacatctc	tgccccctct	540
gctgacgccc	ccatgttcgt	catgggtgtg	aacctgaga	agtatgacaa	cagcctcaag	600
atcatcagca	atgcctcctg	caccaccaac	tgttagcac	ccctggccaa	ggatcatccat	660
gacaactttg	gtatcgtgga	aggactcatg	accacagtcc	atgccatcac	tgccacccag	720
aagactgtgg	atggccccctc	cgggaaactg	tggcgtgatg	gccgcggggc	tctccagaac	780
atcatccctg	cctctactgg	cgctgccaag	gctgtgggca	aggatcatccc	tgagctgaac	840
gggaagctca	ctggcatggc	cttccgtgtc	ccccactgcc	naacgtgtca	gtggtggacc	900
tgacctgccg	tctagaaaaa	cctgccaaat	atgatgacat	caagaagggtg	gtgaagcagg	

cgtcggaggg cccctcaag ggcaccttg gctacactga gcaccaggtg gtctcctctg 960
acttcaacag cgacacccac tctccacct tcgacgctgg ggctggcatt gccctcaacg 1020
accactttgt caagctcatt tcttggtatg acaacg 1056

<210> 14932
<211> 1034
<212> DNA
<213> Homo sapiens

<400> 14932
atTTTTTctg tcttagccac gcagaagtcg cgtgtctagg tgagtcgcgg tgggtcctcg 60
cttgcagttc agcgaccacg tttgtttcga cgccggaccg cgtaagagac gatgatgttg 120
ggcagcgaag gtggagaggg attcgtggtg aaggtccggg gcttgccctg gtcttgctcg 180
gccgatgaag tgcagagggt tttttctgac tgcaaaattc aaaatggggc tcaagggtatt 240
cgtttcatct acaccagaga aggcagacca agtggcgagg cttttgttga acttgaatca 300
gaagatgaag tcaaattggc cctgaaaaaa gacagagaaa ctatgggaca cagatatgtt 360
gaagtattca agtcaaacia cgttgaaatg gattgggtgt tgaagcatac tgggtccaaat 420
agtcctgaca cggccaatga tggctttgta cggcttagag gacttccctt tggatgtagc 480
aaggaagaaa ttgttcaggt cttctcaggg ttggaaatcg tgccaaatgg gataacattg 540
ccggtggact tccagggggg gagtacgggg gaggccttcg tgcagtttgc ttcacaggaa 600
atagctgaaa aggtctataa gaaacacaag gaaagaatag ggcacaggta tattgaaatc 660
tttaagagca gttagactga agttagaact cattatgac caccacgaaa gcttatggcc 720
atgcagcggc caggctccta tgacagatgg ggctggtaga ggggtataaca gcattggcag 780
aggagctggc tttgagagga tgaggcgtgg tgcttatggt ggaggctatg gaggctatga 840
tgattacaat ggctataatg atggctatgg atttgggtca gakagatttg gaagagacct 900
caattactgt ktttcaggaa tgtctgatca cagatacggg gatgggtggg ccagtttcca 960
gagcaccaca gggcactgtg tacacatgag ggggttacct tacagagcca ctgagaatga 1020
tatttatrat ttct 1034

<210> 14933
<211> 968
<212> DNA
<213> Homo sapiens

<400> 14933
aaaccccttt gtaatctgta taaggtccac accccgggag ctgagtgatt gcagaaactg 60
gccttccatc tctctcagac accaagctgc agatccaggt cactttgtag gtcaccacct 120
agaggggagg aagacctcgc tttggagagt ggaataaaaa cgctcgtgga aaagggtaga 180
cgtgagtvtc tcattacacg aaaaacctca ggaagttaga tggacgtctt tctggctgac 240
ctgaaacaga aagtgtaaac caggcaagcc ataggtggga gctggagttc tttttctaag 300
agggctcttt tccttctctc tctttttctc aattaggctt ttctgggaaa gtgaggccac 360
catggctctg gagaagtctc ttgtccggct ccttctgctt gtctgatac tgctgggtgt 420
gggctgggtc cagccttccc tgggcaagga atcccgggcc aagaaattcc agcggcasat 480
atggactcag acagtccccc agcagcagct ccactactg taaccaaatg atgaggcgcc 540
ggaatatgac acagggggcg tgcaaacacc tgaacacctt tgtgcacgag cccctggtag 600
atgtccagaa tgtctgtttc caggaaaagg tcacctgcaa gaacgggcag ggcaactgct 660
acaagagcaa ctccagcatg cacatcacag actgccgcct gacaaaacggc tccagtacc 720
caactgtgca taccggacca gcccgaaagg gagacacatc attgtggcct gtgaaggag 780
cccatatgtg ccagtcactt ttgatgcttc tgtggaggac tctacctaag gtcagascag 840
cgagataccc cacctccctc aacctcatcc tctccacagc tgctcttcc ctcttccctc 900
cctgctgtga aagaagtaac tacagtttag gctcctattc acacacacat gcttcccttt 960
cctgactc 968

<210> 14934

<211> 964
 <212> DNA
 <213> Homo sapiens

<400> 14934
 tgatgtttcg atgagccatt tgagcactgg gtacaaatgt attttggatc aaagaaactc 60
 cagtattcaa agataggaac tgacaggatt ttaggtcact ttgtagggtca ccacctagag 120
 gggaggaaga cctcgctttg gagagtggga ataaaacgct cgtggaaaaag ggtacacgtg 180
 agtvtctcat tacacgaaaa acctcaggaa gtaggatgga cgtctttctg gctgacctga 240
 aacagaaagt gtaaaccagg caagccatag gtgggagctg gagttctttt tctaagaggg 300
 ctcttttctt tctctctctt tttctcaatt aggcttttct gggaaaagtga ggccaccatg 360
 gctctggaga agtctcttgt ccggctcctt ctgcttgtcc tgatactgct ggtgctgggc 420
 tgggtccagc ctccctggg caaggaatcc cgggccaaaga aattccagcg gcasatatgg 480
 actcagacag tccccagca gcagctccac ctactgtaac caaatgatga ggcgcggaa 540
 tatgacacag gggcggtgca aaccagtga cactttgtg cacgagcccc tggtagatgt 600
 ccagaatgtc tgtttccagg aaaaggtcac ctgcaagaac gggcagggca actgctacaa 660
 gagcaactcc agcatgcaca tcacagactg ccgcctgaca aacggctcca gtacccaac 720
 tgtgcatacc ggaccagccc gaaggagaga cacatcattg tggcctgtga agggagccca 780
 tatgtgccag tccactttga tgcttctgtg gaggactcta cctaaggtca gascagcgag 840
 ataccccacc tccctcaacc tcctctctc cacagctgcc tcttccctct tccttcctg 900
 ctgtgaaaga agtaactaca gttagggctc ctattcacac acacatgctt ccctttcctg 960
 actc 964

<210> 14935
 <211> 929
 <212> DNA
 <213> Homo sapiens

<400> 14935
 attcctatac ttggtaaggg gcctgcacgg gcatagcccc cccagcaag actccgcaca 60
 caccgccggc acccagtcac tggccaatgg gctcctagga agatcaaagt tcactataac 120
 acgaggggtg gagccggggc ccagtgcctg cagccggtgc tgtccacagg gagctccagc 180
 ccttctcaca ctcgaccgc agaaaccacc cacttcacc atgtctgacg aggaagtctg 240
 aaccaggtgg aggagcagta cgaagaagaa gaggaagccc aggaggaagc tgcagaagtc 300
 catgaggaag ttcataaacc agaggaagtt caagaagagg agaaaccgag asccaaactc 360
 actgctccta agatcccaga aggggagaaa gtggacttgc atgacatcca gaagaagcgt 420
 cagaacaaag acctaattga gctccaggcc ctcatcgaca gccactttga agcccgaag 480
 aaggaggagg aggagctggt cgctctcaaa gagagaatcg agaagcgccg tgcagagagw 540
 gccwgcagcc ggtgctgtcc acagggagct ccagcccttc tgcactcga cccgcagaaa 600
 ccaccacct tcaccatgtc tgacgaggaa gttgaacagg agaaaccgag acccaaactc 660
 gaagaggaag cccaggagga agaggaagtt caagaagagg agaaaccgag acccaaactc 720
 actgctccta agatcccaga aggggagaaa gtggacttgc atgacatcca gaagaagcgt 780
 cagaacaaag acctaattga gctccaggcc ctcatcgaca gccactttga agcccgaag 840
 aaggaggagg aggagctggt cgctctcaaa gagagaatcg agaagcgccg tgcagagaga 900
 gcggasagca gaggattcgt gcagagaag 929

<210> 14936
 <211> 927
 <212> DNA
 <213> Homo sapiens

<400> 14936
 gaggcaccaa acggcctggg tggatagaag ggggacaagg aggcacaccc aggccggcaa 60
 agagcaggta tcagcactgc aagcaccaag tgtgtcttga gctcagttag tactgggtat 120

gtgtcacatt	gccaaatccc	ggatcacaag	tctccatgaa	ctgctggtga	gctaggataa	180
taaaaccct	gacatcacca	ttccagaagc	ttcacaagac	tgcatatata	aggggctggc	240
tgtagctgca	gctgaaggag	ctgaccagcc	agctgacccc	tcacactcac	ctagccacca	300
tggacatcgc	catccaccac	ccctggatcc	gccgcccctt	ctttcccttc	cactccccc	360
gccgcctctt	tgaccagttc	ttcggagagc	acctgttgga	gtctgatctt	ttcccagcgt	420
ctacttccct	gagtccttcc	taccttcggc	cacctcctt	cctgcgggca	cccagctggt	480
ttgacactgg	actctcagag	atgcgcctgg	agaaggacag	gttctctgtc	aacctggatg	540
tgaagcactt	ctccccagag	gaactcaaag	ttaagggtgt	gggagatgtg	attgaggtgc	600
atggaaaaca	tgaagagcgc	caggatgaac	atggtttcat	ctccaggag	ttccacagga	660
aataccggat	cccagctgat	gtagaccctc	tcaccattac	ttcatccctg	tcactctgatg	720
gggtcctcac	tgtgaatgga	ccaaggaaac	aggtctctgg	ccctgagcgc	accattccca	780
tcaccctgta	agagaagcct	gctgtcaccg	cagcccccaa	gaaatagatg	ccctttcttg	840
aattgcattt	tttaaaacaa	gaaagtthcc	ccaccagtga	atgaaagtct	tgtgactagg	900
ctgaagctta	ttaatgctaa	gggcagg				927

<210> 14937
 <211> 913
 <212> DNA
 <213> Homo sapiens

<400> 14937						
gaggcaccaa	acggcctggg	tggatagaag	ggggacaagg	aggcacaccc	aggccggcaa	60
agagcaggta	tcagcactgc	aagcaccaag	tgtgtcttga	gctcagttag	tactgggtat	120
gtgtcacatt	gccaaatccc	ggatcacaag	tctccatgaa	ctgctggtga	gctaggataa	180
taaaaccct	gacatcacca	ttnnccagaag	cttcacaaga	ctgcatatat	aaggggctgg	240
ctgtagctgc	agctgaagg	gctgaccagc	cagctgaccc	ctcacactca	cctagccacc	300
atggacatcg	ccatccacca	ccccttcttk	cttttccact	ccccagccg	cctctttgac	360
cagttcttcg	grgagcacct	gttggagctk	gatsttttcc	cgacgtctac	ttccctgagt	420
cccttctacc	ttcggccacc	ctccttccctg	cgggcaccca	gctggtttga	cactggactc	480
tcagagatgc	gcctggagaa	ggacaggctc	tctgtcaacc	tggatgtgaa	gcacttctcc	540
ccagaggaac	tcaaagttaa	ggtgttggga	gatgtgattg	aggtgcatgg	aaaacatgaa	600
gagcgccagg	atgaacatgg	tttcatctcc	agggagttcc	acaggaaata	ccggatccca	660
gctgatgtag	accctctcac	cattacttca	tccctgtcat	ctgatggggt	cctcactgtg	720
aatggaccaa	ggaaacaggt	ctctggccct	gagcgacca	ttcccatcac	ccgtgaagag	780
aagcctgctg	tcaccgcagc	ccccaaagaa	tagatgccct	ttcttgaatt	gcatttttta	840
aaacaagaaa	gtttccccac	cagtgaatga	aagtcttggt	actaggctga	agcttattaa	900
tgctaagggc	agg					913

<210> 14938
 <211> 911
 <212> DNA
 <213> Homo sapiens

<400> 14938						
attgggtgtg	gacagaaagc	tagtgaaaca	agaccatgac	aagtcactgg	ccggctcaga	60
cgtgtttgtg	tctctctttt	cttagctcag	tgagtactgg	gtatgtgtca	cattgccaaa	120
tcccgatca	caagtctcca	tgaactgctg	gtgagctagg	ataataaaac	ccctgacatc	180
accattccag	aagcttcaca	agactgcata	tataaggggc	tggctgtagc	tgacagtga	240
ggagctgacc	agccagctga	cccctcacac	tcacctagcc	accatggaca	tcgccatcca	300
ccaccctgg	atccgcgcgc	ccttctttcc	tttccactcc	cccagccgcc	tctttgacca	360
gttcttcgga	gagcacctgt	tggagtctga	tcttttcccg	acgtctactt	ccctgagctc	420
cttctacett	cggccaccct	ccttccctgcg	ggcaccagc	tggtttgaca	ctggactctc	480
agagatgcgc	ctggagaagg	acaggttctc	tgtcaacctg	gatgtgaagc	acttctcccc	540
agaggaactc	aaagttaagg	tgttgggaga	tgtgattgag	gtgcatggaa	aacatgaaga	600

gcgccaggat	gaacatggtt	tcattctccag	ggagttccac	aggaaatacc	ggatcccagc	660
tgatgtagac	cctctcacca	ttacttcatc	cctgtcatct	gatgggggtcc	tcactgtgaa	720
tggaccaagg	aaacaggtct	ctggccctga	gcgcaccatt	cccatcacc	gtgaagagaa	780
gcctgctgtc	accgcagccc	ccaagaaata	gatgcccttt	cttgaattgc	atTTTTTaaa	840
acaagaaagt	ttccccacca	gtgaatgaaa	gtcctgtgac	taggctgaag	cttattaatg	900
ctaagggcag	g					911

<210> 14939

<211> 903

<212> DNA

<213> Homo sapiens

<400> 14939						60
gtgaaaagcg	gcccgcacctg	cttgggggtgt	agtggggcgga	ccgcgcggct	ggaggtgtga	120
ggatccgaac	ccaggggttg	gggggtggagg	cggctcctgc	gatcgaagg	gacttgagac	180
tcaccggccg	cacgccatga	gggccctgtg	ggtgctgggc	ctctgctgcg	tcctgctgac	240
cttcgggtcg	gtcagagctg	acgatgaagt	tgatgtggat	ggtacagtag	aagaggatct	300
gggtaaaagt	agagaaggaa	tgcggggkat	gcttcggctc	acacacatca	cagacaatgt	360
ctgctggtcg	tgcatgtata	tttgatcacc	cctcttgaag	ctttcttcac	tttaatggtg	420
gcagtttcac	aaggggagta	caattcacca	tgagttgtca	tggatttnt	tgcataattc	480
aagaaatgct	ctgtttatgt	ggtcggctgc	ttttttgtc	cgacatcttg	acgaggctgc	540
ggtgtctgct	gctattctcc	gagcttcgca	atgccgccta	aggacgacaa	gaagaagaag	600
gacgctggaa	agtcggccaa	gaaagacaaa	gacccagtga	acaaatccgg	gggcaaggcc	660
aaaaagaaga	agtggtccaa	aggcaaaagt	cgggacaagc	tcaataaact	agtcttgtt	720
gacaaagcta	cctatgataa	actctgtaag	gaagttccca	actataaact	tataacccca	780
gctgtggtct	ctgagagact	gaagattcga	ggctccctgg	ccagggcagc	ccttcaggag	840
ctccttagta	aaggacttat	caaactggtt	tcaaagcaca	gagctcaagt	aatttacacc	900
agaaatacca	aggggtggaga	tgctccagct	gctggtgaag	atgcatgaat	aggtccaacc	903
acc						

<210> 14940

<211> 896

<212> DNA

<213> Homo sapiens

<400> 14940						60
ataaaagggg	cgggaggcca	ggctcgtgcc	gttttgcaga	cgccaccgcc	gaggaaaacc	120
gtgtactatt	agccatggtc	aacccaccg	tgttcttcga	cattgccgtc	gacggcgagc	180
ccttggggccg	cgtctccttt	gaggtaagg	gcctggatac	caagaagtga	ctgctcatct	240
aatccataaa	gctatgttaa	cagattggag	gtagtagcat	tttcattaca	agtgactaaa	300
agaacagctg	tttacccttg	atcgtgcagc	agtgcctgct	gttccttaga	atTTTgcctt	360
ctgtttgcag	acaaggtccc	aaagacagca	gaaaattttc	gtgctctgag	cactggagag	420
aaaggatttg	gttataagg	ttcctgcttt	cacagaatta	ttccagggtt	tatgtgtcag	480
ggtggtgact	tcacacgcca	taatggcact	ggtggcaagt	ccatctatgg	ggagaaatTT	540
gaagatgaga	acttcactct	aaagcatacg	ggtcctgkca	tcttgtccat	ggcaaatgct	600
ggaccaacaa	caaattggttc	ccagtttttc	atctgcactg	ccaagactga	gtggttggat	660
ggcaagcatg	tggtgttttg	caaagtgaag	gaaggcatga	atattgtgga	ggccatggag	720
cgctttgggt	ccaggaatgg	caagaccagc	aagaagatca	ccattgctga	ctgtggacaa	780
ctcgaataag	tttgacttgt	gttttatctt	aaccaccaga	tcwttccttc	tgtagctcag	840
gagagcacc	ctccacccca	tttgctcgca	gtatcctaga	atctttgtgc	tctcgctgca	896
gttccctttg	ggttccatgt	tttcttgtt	ccctcccatg	cctagctgga	ttgcag	

<210> 14941

<211> 894

<212> DNA
<213> Homo sapiens

<400> 14941
ctagtgcgtt acttacctcg actcttagct tgtcggggac ggtaaccggg acccgggtgc 60
tgetcctgtc gccttcgcct cctacmctaa ccttaaccgc cttattagcc agattgtgtc 120
ctccatcact gcttcctga gatttgatgg agccctgaat gttgacctga cagaattcca 180
gaccaacctg gtgccctacc cccgcateca cttccctctg gccacatatg cccctgtcat 240
ctctgtctgas aaagcctacc atgaacagct ttctgtagca gagatcacca atgcttgctt 300
tgagccagcc aaccagatgg tgaaatgtga ccctcgccat ggtaaataca tggcttgctg 360
cctgttgtao cgtgggtgacg tggttcccaa agatgtcaat gctgccattg ccaccatcaa 420
aaccaagcgc asatccagtt tgtggattgg tgcctcactg gcttcaagg tggcatcaac 480
taccagcctc ccactgtggt gcctgggtgga gacctggcca aggtacagag agctgtgtgc 540
atgctgagca acaccacagc cattgctgag gcctgggctc gcctggacca caagtttgac 600
ctgatgtatg ccaagcgtgc ctttgttcac tggtaoagtg gtgaggggat ggaggaaggc 660
gagttttcag aggcccggtga agatattggt gcccttgaga aggattatga ggannntggg 720
gtggakwctg ttgaaggaga ggggtgaggaa gaaggagagg aataactaatt atccattcct 780
tttgccctg cagcatgtca tgctccaga atttcagctt cagcttaact gacagacgtt 840
aaagctttct ggttagattg ttttcacttg gtgatcatgt cttttccatg tgta 894

<210> 14942
<211> 893
<212> DNA
<213> Homo sapiens

<400> 14942
gaggcaccaa acggcctggg tggatagaag ggggacaagg aggcacaccc aggccggcaa 60
agagcagctc agtgagtact gggatgtgtg cacattgcca aatcccggat cacaagtctc 120
catgaactgc tggtagacta ggataataaa acccctgaca tcaccattcc agaagcttca 180
caagactgca tatataaggg gctggctgta gctgcagctg aaggagctga ccagccagct 240
gaccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccg 300
ccccttcttt cctttccact cccccagccg cctctttgac cagttcttcg gagagcacct 360
gttgagctct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 420
ctccttcctg cgggcaacca gctgggttga cactggactc tcagagatgc gcctggagaa 480
ggacaggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 540
gggtgttgga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 600
tttcatctcc agggagttcc acaggaaata ccggatccca gctgatgtag accctctcac 660
cattacttca tccctgtcat ctgatggggt cctcactgtg aatggaccaaa ggaaacaggt 720
ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 780
ccccaagaaa tagatgcctt ttcttgaatt gcatttttta aaacaagaaa gtttccccac 840
cagtgaatga aagtcttgtg actaggctga agcttattaa tgctaagggc agg 894

<210> 14943
<211> 874
<212> DNA
<213> Homo sapiens

<400> 14943
ataaaagaag ccgccctagc cacgtcccct cgcagttcgg cggcctcgcg ggtctgtctc 60
ttgcttcaac agtggttggg cggaaacagat ccggggactc tcttcagcc tccgaccgcc 120
ctccgatttc ctctccgctt gcaacctccg ggaccatctt ctcgccatc tctgtcttct 180
gggacctgcc agcaccgttt ttgtggttag ctctctcttg ccaaccaacc atgagctccc 240
agattcgtca gaattattcc accgacgtgg aggcagccgt caacagcctg gtcaatttgt 300
acctgcaggc ctccacacc tacctctctc tgggcttcta tttcgaccgc gatgatgtgg 360

ctctggaagg	cgtgagccac	ttcttccgcg	aaytggccga	ggagaagcgc	gagggctacg	420
agcgtctcct	gaagatgcaa	aaccagcgtg	gcggccggcg	ctctcttcna	ggacatcaag	480
aagccagctg	aagatgagtg	gggtaaaacc	cywgacgcca	tgaaagctgc	catggccctg	540
gagaaaaagc	tgaaccaggc	ccttttgat	cttcatgccc	tgggttctgc	ccgcacggac	600
cyccatctct	gtgacttct	ggagactcac	ttcctagatg	aggaagtga	gcttatcaag	660
aagatgggtg	accacctgac	caacctccac	aggctgggtg	gcccggaggc	tgggctgggc	720
gagtatctct	tcgaaaggct	caactctcaag	cacgactaag	agccttctga	gcccagcgac	780
ttctgaaggg	ccccttgcaa	agtaataggg	cttctgccta	agcctctccc	tccagccaat	840
aggcagcttt	cttaactatc	ctaacaagcc	ttgg			874

<210> 14944
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 14944						60
agagggcgaa	ggtaggtg	cagatacgtt	cgtagcttg	ctcctttctg	cccgtggacg	120
ccgccgaaga	agcatcgta	aagtctctct	tcaccctgcc	gtcatgtcta	agtcagagtc	180
tcctaaagag	cccgaacagc	tgaggaagct	cttcattgga	gggttgagct	ttgaaacaac	240
tgatgagagc	ctgaggagcc	atcttgagca	atggggaacg	ctcacggact	gtgtggtaat	300
gagagatcca	aacaccaagc	gctccagggg	ctttgggttt	gtcacatatg	ccactgtgga	360
ggaggtggat	gcagctatga	atgcaaggcc	acacaagggt	gatggaagag	ttgtggaacc	420
aaagagagct	gtctccagag	aagattctca	aagaccaggt	gcccacttaa	ctgtgaaaaa	480
gatatttggt	ggtggcatta	amgaagacac	tgaagaayat	cacctaagwg	attattttga	540
acagtatgga	aaaactgaag	tgattgaaat	catgactgac	caaggcagtg	gcaagaaaag	600
gggctttgsc	ytttgwaacc	tttgatgatc	atgactccgt	ggataagact	gtcattcaga	660
aataccatac	tgtgaatggc	cacaactgtg	aaattaggaa	aggcctgtca	aagcaagaga	720
tgtccagaga	aatgtttgca	aaaagagtta	cagaagaaac	agaaggcatc	atggtacatc	780
ccaaccagga	gcctgcagtg	atagctggac	aagggacaat	tgccctggaa	gtgctgaacc	840
aggttccttt	ggtggatgca	ctggtggtac	ctgtaggtgg	aggaggaatg	cttgctggaa	861
tagcaattac	agttaaggct	c				

<210> 14945
 <211> 855
 <212> DNA
 <213> Homo sapiens

<400> 14945						60
cttttgcatc	cctaccccga	caactgcgggt	tgtcacaacg	gcaccctccc	gctttctctc	120
tgccctggat	ttagtctgta	ctgtgtgtct	tcggccgtgg	tgtagcttca	ggcctctccc	180
gcatctactc	tctcacgctt	ccgctgcggc	ctgagggagg	gcggcggggc	gaccacggac	240
cggggttggc	atacgwatca	aggacagtaa	ctaccatggc	tcccgaagtt	ttgccaaaac	300
ctcggatgcg	tggccttctg	gccaggcgct	tgcgaaatca	tatggctgta	gcattcgtgc	360
tatccctggg	ggttgagct	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	420
acgcagattt	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagatg	aggaaggctg	480
gtatctttca	gagtgtaaag	taccttcccc	cacccttctc	tgccaaccgc	tgtttcagcc	540
cctagctgga	ttccagccat	tgctgcagct	gctccacagc	ccttttcagg	acccaacaa	600
ccgcagccgc	tgttcccagg	atggtgatcc	gtgtatatat	tgcatcttcc	tctggctcta	660
cagcgattaa	gaagaaacaa	caagatgtgc	ttggtttcct	agaagccaac	aaaaataggat	720
ttgaagaaaa	agatattgca	gccaatgaag	agaatcggaa	gtggatgaga	gaaaaatgtac	780
ctgaaaatag	tcgaccagcc	acaggttacc	ccctgccacc	tcagattttc	aatgaaagcc	840
agtatcgcg	ggactatgat	gccttctttg	aagccagaga	aaataatgca	gtgtatgcct	855
tcttaggctt	gacgg					

<210> 14946
 <211> 853
 <212> DNA
 <213> Homo sapiens

<400> 14946
 gagggggagg ggaggtgttt aggagaaagt aggggctgtg ggtgtcggga gccggctgac 60
 ggggtggacaa ggggggggta gcagctgggc tgcgaccgtt agggaggggc tcaaggtgtg 120
 catgtgtgag ggaagagaga gagagagaag ggcgcctcag aggtgacttt cagcctgcga 180
 gccttcttcc cggggcgcca taaacgcccc caatttccca gctgctaaag gaagaggaag 240
 atcttagcaa agcaatgtct caagatggtg cttctcagtt ccaagaagtc attcggcaag 300
 agctagaatt atctgtgaag aaggaaactag aaaaaatact caccacagca tcatcacatg 360
 aatttgagca caccaaaaaa gacctggatg gatttcggaa gctatttcat agatttttgc 420
 aagaaaaggg gccttctgtg gattggggaa aaatccagag accccctgaa gattcgaattc 480
 aaccctatga aaagataaag gccaggggct tgcctgataa tatactcttc gtgttgaaca 540
 aactagtgtt ggtgaaactc aatggtggtt tgggaccagc atgggctgca aaggccctaa 600
 aagtctgatt ggtgtgagga atgagaatgc ctttctggat ctgactgttc agcaaattga 660
 acatttgaat aaaacctaca atacagatgt tcctctgtt ttaatgaact cttttaacac 720
 ggatgaagat accaaaaaaa tactacagaa gtacaatcat tgtcgtgtga aaatctacac 780
 tttcaatcaa agcagggtacc cgaggattaa taagaatct ttacttcctg tagcaaagga 840
 cgtgtcttac tca 853

<210> 14947
 <211> 842
 <212> DNA
 <213> Homo sapiens

<400> 14947
 aagtcgtnnc gggagggaga cgcagaggcg gacaagatgg cggcggcagc tgtacagggc 60
 gggagaagcg gtggtagcgg aggcgtgtgt ggggctggtg gtgcttccaa ctgcgggaca 120
 agatggcggc ggcagctgta caggcgggga gaagcggtgg tagcggaggc tgtagtgggg 180
 ctggtggtgc ttccaactgc gggacaggaa gtggccgtag cggcttggtg gataagtggg 240
 agatagatga taagcctgta aaaatkgaca agatggcggc ggcagctgta caggcgggga 300
 gaagcggtgg tagcggaggg tgtagtgggg ctggtggtgc ttccaactga gggacaggaa 360
 gtggccgtag cggcttggtg gataagtggg agatagatga taagcctgta aaaatggaca 420
 agatggcggc ggcagntgta caggcgggga gaagcggtgg tagcggaggg tgtagtgggg 480
 ctggtggtgc ttccaactgc gggacaggaa gtggccgtag cggcttggtg gataagtggg 540
 agatagatga taagcctgta aaaattgaca agtgggatgg atcagctgtg aaaaactctt 600
 tggatgattc tgccaaaaag gtacttctgg aaaaatacaa atatgtggag aattttggtc 660
 taattgatgg tcgcctcacc atctgtacaa tctcctgtt ctttgccata gtggctttga 720
 tttgggatta tatgcacccc ttccagagt ccaaaccgt tttggctttg tgtgtcatat 780
 cctattttgt gatgatgggg attctgacca ttatcacctc atataaggag aagagcatct 840
 tt 842

<210> 14948
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 14948
 gccatcttgc gtacggaggt gaggtttgtt accgcgattc tgagaggtgg gcttttagtc 60
 cctccagacc tcggttttag tgctgtctcc gcttttcttt caccttcaca gaggttcgtg 120
 tcttcctaaa agaaggtttt attgggaggt aaaggtcaat gcgtaggggt agagtaagat 180
 gtcttatggt gaaattgaag gtaaattctt gggacctaga gaagaagtaa cgagtgagcc 240

acgctgtaaa	aaattgaagt	caaccacaga	gtcgtatggt	tttcacaatc	atagtaatgc	300
tgattttcac	agaatccaag	agaaaactgg	aatgattgg	gtccctgtga	ccatcattga	360
tgtcagagga	catagttatt	tgcaggagaa	caaaatcaaa	actacagatt	tgcatagacc	420
tttgcattgat	gagatgcctg	gtaatagacc	agatgttatt	gaatccattg	attcacagggt	480
tttacaggra	agcacgtcct	ccattagtat	ccgcagacga	tgagatatat	agcacaagta	540
aagcatttat	aggaccatt	tacaaacccc	ctgagaaaaa	gaaacgtaat	gaagggagga	600
atgaggcaca	tgttctaaat	ggtataaatg	acagaggagg	acaaaaagag	aaacagaaat	660
ttaactctga	aaaatcagag	attgacaatg	aattattcca	gttttacaaa	gaaattgaag	720
agcttgaaaa	ggaaaaagat	ggttttgaga	acagttgtaa	agaatctgaa	ccttctcagg	780
aacaatttgt	tccattttat	gagggtcata	ataatggkct	cttaaacctg	at	832

<210> 14949

<211> 810

<212> DNA

<213> Homo sapiens

<400> 14949						60
tcatactcac	aacgctgccg	ccgcgctcsg	tgggcaactc	ctactactgc	tgggctgggc	120
tgggctgggc	tgggctgcgc	cggagctcgc	ctgcacagat	cagctccgga	gaggggaaaa	180
ccacgctcct	cggaccaagc	ctcgggagct	aggtgtttct	gaaagatcta	tccagcactc	240
cgatggccag	caacaacacc	gccagcatag	cacaagccag	gaagctggta	gagcagctta	300
agatggaagc	caatatcgac	aggataaagg	tgtccaaggc	agctgcagat	ttgatggcct	360
actgtgaagc	acatgccaa	gaagaccccc	tcctgacccc	tggtccggct	tcagaaaacc	420
cgtttaggga	gaagaagttt	ttctgtgcca	tcctttaagt	ctttgagagg	ggcctgaaga	480
gcctccgggc	tcctgggaca	ttgatgtaga	gttttttagt	aagtgggcac	ctttctagtc	540
cacggcattt	gaagagagcg	aggagaacca	ttctggaaac	tctaggctat	gcatgtttta	600
agatctggtc	ccctttatga	gaatgcaagc	cgatccacat	cctgacttaa	gagatctgat	660
tctgacgaac	tgccctggagg	aggggaatat	ataaaaaata	aattggtgtc	acttcttttc	720
tgctatcccc	cagccccccc	cccaaaaatc	ctcatgtttc	tgcttcatat	tttgaaaart	780
aacaattaaa	acagacagct	gtactgaggt	aagatatgtg	tgaccttctt	ggaatgaata	810
ttgtctttag	aatacccttt	gataagctga				

<210> 14950

<211> 806

<212> DNA

<213> Homo sapiens

<400> 14950						60
ataaaagggg	cgggaggcca	ggctcgtgcc	gttttgaga	cgccaccgcc	gaggaaaacc	120
gtgtactatt	agccatggtc	aacccccacc	tggtcttcga	cattgccgtc	gacggcgagc	180
ccttgggccg	cgtctccttt	gaggtaaagg	gcctggatac	caagaagtga	ctgctcatct	240
aatccataaa	gctatgttaa	cagattggag	ctgtttgcag	acaaggtoce	aaagacagca	300
gaaaattttc	gtgctctgag	caactggagag	aaaggatttg	gttataaggg	ttcctgcttt	360
cacagaatta	ttccagggtt	tatgtgtcag	ggtggtgact	tcacacgcca	taatggcact	420
ggtggcaagt	ccatctatgg	ggagaaattt	gaagatgaga	acttcacctc	aaagcatacg	480
ggtcctgkca	tcttgtccat	ggcaaatgct	ggacccaaca	caaatggttc	ccagtttttc	540
atctgcaactg	ccaagactga	gtggttgat	ggcaagcatg	tggtgtttgg	caaagtga	600
gaaggcatga	atattgtgga	ggccatggag	cgctttgggt	ccaggaatgg	caagaccagc	660
aagaagatca	ccattgtctga	ctgtggacaa	ctcgaataag	tttgacttgt	gttttatctt	720
aaccaccaga	tcwttccttc	tgtagctcag	gagagcacc	ctccaccaca	tttgcctcga	780
gtatcctaga	atctttgtgc	tctcgtcgca	gttccttttg	ggttccatgt	tttccttggt	806
ccctcccatg	cctagctgga	ttgcag				

<210> 14951

<211> 789
 <212> DNA
 <213> Homo sapiens

<400> 14951
 ctagtgcgtt acttacctcg actcttagct tgtcggggac ggtaaccggg acccgggtgtc 60
 tgctcctgtc gccttcgcct cctacactaa ccttaaccgc cttattagcc agattgtgtc 120
 ctccatcact gcttcctga gatttgatgg agccctgaat gttgacctga cagaattcca 180
 gaccaacctg gtgccctacc cccgcaccca cttccctctg gccacatatg cccctgtcat 240
 ctctgctgas aaagcctacc atgaacagct ttctgtagca gagatcacca atgcttgctt 300
 tgagccagcc aaccagatgg tgaaatgtga cctcgcctat ggtaaataca tggcttgctg 360
 cctgttgtag cgtgggtgacg tggttcccaa agatgtcaat gctgccattg ccaccatcaa 420
 aaccaagcgc asatccagtt tgtggattgg tgccccactg gcttcaaggt tggcatcaac 480
 taccagcctc ccactgtggt gcctgggtgga gacctggcca aggtacagag agctgtgtgc 540
 atgctgagca acaccacagc cattgctgag gcctgggctc gcctggacca caagtttgac 600
 ctgatgtatg ccaagcgtgc ctttgttcac tggtagctgg gtgaggggat ggaggaaggy 660
 gaggtttcag agggccgtga ggacatggct gcccttgaga aggattatga ggaggttngt 720
 gttggattct gttgaaggag aggggtgagga agaaggagag gaatactaaa gttaaaacgt 780
 cacaaagg

<210> 14952
 <211> 780
 <212> DNA
 <213> Homo sapiens

<400> 14952
 gacttgcttc ctctttgcct tccaccatga ttgtaagttt cctgaggcct cccagccatg 60
 ctctctctga agcctgcgga acttctctgag cctctacct ctgctggaag cccagatccc 120
 attgtgtgcc aacctagtac cgggtgcccac caccaacgcc accctggacc agatcactgg 180
 caagtgggtt tatatcgcat cggcctttcg aaacgaggag tacaataagt cggttcagga 240
 gatccaagca accttctttt acttcacccc caacaagaca gaggacacga tctttctcag 300
 agagtaccag acccgacagg accagtgcac ctataacacc acctacctga atgtccagcg 360
 ggaaaatggg accatctcca gatacgtggg aggccaaagag catttcgctc acttgctgat 420
 cctcagggag accaagacct acatgcttgc ttttgacgtg aacgatgaga agaactgggg 480
 gctgtctgtc tatgttgaca agccagagac gaccaaggag caactgggag agttctacga 540
 agctctcgac tgcttgcgca ttcccagtc agatgtcgtg tacaccgatt ggaaaaagga 600
 taagtgtgag ccaactggaga agcagcacga gaaggagagg aaacaggagg agggggaatc 660
 ctacgaggac acagccttgg atcaggacag agacttgggg gccatcctgc cctccaacc 720
 cgacatgtgt acctcagctt tttccctcac ttgcatcaat aaagcttctg tgtttggaac 780

<210> 14953
 <211> 766
 <212> DNA
 <213> Homo sapiens

<400> 14953
 agtgaactag cgacagtggg ggtgtgcgca gggatgcagg cagctaggct cccccactgg 60
 ccaggcagtt ggtatgtccc aggatctgag cagctccttc tagcatcctt catccttcag 120
 gtaccagcca tccagacagt gcttgagctg cagaaactga gaccagacct ctggcctggc 180
 cctccccagg ggctcctttt cctatagtca ctgcttctgc atcagatact ttcagctgca 240
 actccctact ggggtggggca cccatttcag gcagaagggt ttggtaccct ccaactgacct 300
 tacaccaggg gctgctactg ccgcttgtgg cttcaggatg aaaggtgaga ccccggtgaa 360
 cagcactatg agtattgggc aagcacgcaa gatgggtgaa cagcttaaga ttgaagccag 420
 cttgtgtcgg ataaagggtg ccaaggcagc agcagacctg atgacttact gtgatgcca 480

cgctgtgag gatccctca tcaccctgt gccacttcg gagaaccct tccgggagaa 540
 gaagttcttc tgtgctctcc tctgagctcc cctgtccct ctcacaactc ctcccttttc 600
 cctctcctgg gcccttccct aggtcagtaa ttgtgtgag ccccttaggc tccttgcatc 660
 ccacccctaa cccttgctg accatgtgag gttatctgaa gcacaaggcc caccctcacc 720
 tatstgtcga cccatttcc taccaccttt gtggccgacc ccaage 766

<210> 14954
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 14954
 gcgttctcgc tgtgactct tattctgcgc ctgcgcgcgc ctacagcacg gttcgttttt 60
 cctttagtcg ggaaggacgt tgggtgtgag gttgcatatc gtatcaagga cagtaactac 120
 catggctccc gaagttttgc caaacctcg gatgcgtggc cttctggcca ggcgtctgcg 180
 aaatcatatg gctgtagcat tcgtgctatc cctggggggt gcagctttgt ataagtttcg 240
 tgtggctgat caaagaaaga aggcatacgc agatttctac agaaactacg atgtcatgaa 300
 agattttgag gagatgagga aggcgtggtat ctttcagagt gtaaagtacc ttccccacc 360
 cttctctgcc aaccgctgtt tcagccctca gctggattcc agccattgct gcagctgctc 420
 cacagccctt ttcaggaccc aaacaaccgc agccgctgtt cccaggatgg tgatccgtgt 480
 atatatgca tcttctctg gctctacagc gattaagaag aaacaacaag atgtgcttgg 540
 tttctagaa gccacaataa taggatttga agaaaaagat attgcagcca atgaagagaa 600
 tcggaagtgg atgagagaaa atgtacctga aaatagtcga ccagccacag gttacccct 660
 gccacctcag attttcaatg aaagccagta tcgcggggac tatgatgcct tctttgaagc 720
 cagagaaaat aatgcagtgt atgccttctt aggccttgacg g 761

<210> 14955
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 14955
 aagagccggt tcggcgctgc gactgcccag agtccgcggc cggggcgcgcg gaggagccaa 60
 gccgccatgg cctaccacag cttctgtgtg gagcccatca gctgccacgc ctggaacaag 120
 gaccgcaccc agattgccat ctgcccacac aaccatgagg tgcatagacc aaggtgcacg 180
 agctcaagga gcacaacggg caggtgacag gcctcgactg ggcccccgag agtraccgta 240
 ttgtgacctg cggcacagac cgcaacgcct acgtgtggac gctgaagggc cgcacatgga 300
 agcccwcgct gctcckgcgc ggakccagag ccggttcggc gcgtcgactg cccagagtcc 360
 gcggccgggg cgcgggagga gccaaagccgc catggcctac cacagcttcc tggaggagcc 420
 catcagctgc cagcctgga acaaggaccg caccagatt gccatctgcc ccaacaacca 480
 tgaggtgcat atctatgaaa agagcgggtg caaatggacc aaggtgcacg agctcaagga 540
 gcacaacggg caggtgacag gcctcgactg ggcccccgag agtaaccgta ttgtgacctg 600
 cggcacagac cgcaacgcct acgtgtggac gctgaagggc cgcacatgga agcccacgct 660
 ggtcatcctg cggatcaacc gggstgcccg ctgcgtgcgc tgggccccca acgagaacag 720
 tttgctgtgg naaaaggctc tcgtgtgatc tccatc 756

<210> 14956
 <211> 745
 <212> DNA
 <213> Homo sapiens

<400> 14956
 atgtgtagcg gcagtgccg ccggcgagca gtctgagccc gacgatgagg ccggggacgg 60
 gagctgagcg tggaggcctc atggtgagtg aaatggagag ccacccctcc tcgcagggtc 120

ctggggacgg	ggagcggaga	ttgtccggct	caagcctckk	ctccggctct	tgggtctctg	180
ctgacggctt	cctgaggaga	cggccctcga	tggggacccc	tggcatgcat	tatgccccaa	240
tgggaatgca	ccctatgggt	cagagagcga	atatgcctcc	tgtacctcat	ggaatgatgc	300
cgcagatgat	gccccctatg	ggagggccac	caatgggaca	aatgcctgga	atgatgtcgt	360
cagtaatgcc	tggaatgatg	atgtctcata	tgtctcaggc	ttccatgcag	cctgccttac	420
cgccaggagt	aaatagtatg	gatgtagcag	caggtacagc	atctggtgca	aaatcaatgt	480
ggactgaaca	taaatcacct	gatggaagga	cttactacta	caacactgaa	accaaacagt	540
ctacctggga	gaaaccagat	gatcttaaaa	cacctgctga	gcaactctta	tctaaatgcc	600
cctggaagga	atacaaatca	gattctggaa	agccttacta	ttataattct	caaacaaaag	660
aatctcgctg	ggccaaacct	aaagaacttg	aggatcttga	agcaatgatc	aaagctgaag	720
aaagcagtaa	gcaagaagag	tgcac				745

<210> 14957
 <211> 744
 <212> DNA
 <213> Homo sapiens

<400> 14957						
attttttttg	agcgcgatgc	caagacatgc	tagtctcttt	tccggttagc	gcggcgtgag	60
aagccatgag	cagcaaagtc	tctcgcgaca	ccctgtacga	ggcgggtgcg	gaagtcctgc	120
acgggaacca	gcgcaagccn	cgcaagtgcg	tgccgaccct	ggggcacggc	gcgggtggcg	180
agggccggcg	ggtgcttaac	ccccctcctc	tctcgaaggt	tcctggagac	ggtggagtgt	240
cagatcagct	tgaagaacta	tgatccccag	aaggacaagc	gcttctcggg	caccgtcagg	300
cttaagtcca	ctccccgccc	taagttctct	gtgtgtgtcc	tgggggacca	gcagcactgt	360
gacgaggcta	aggccgtgga	tatcccccac	atggacatcg	aggcgtgaa	aaaactcaac	420
aagaataaaa	aactggtcaa	gaagctggcc	aagaagtatg	atgcgttttt	ggcctcagag	480
tctctgatca	agcagattcc	acgaatcctc	ggcccagggt	taaataaggc	aggaaagtgc	540
ccttccctgc	tcacacacaa	cgaaaacatg	gtggccaaaag	tggatgaggt	gaagtccaca	600
atcaagttcc	aaatgaagaa	ggtgttatgt	ctggctgtag	ctgttggtca	cgtgaagatg	660
acagacgatg	agcttgtgta	taacattcac	ctggctgtca	acttcttggt	gtcattgtctc	720
aagaaaaact	ggcagaatgt	ccgg				744

<210> 14958
 <211> 741
 <212> DNA
 <213> Homo sapiens

<400> 14958						
artggccgca	gtggccgcaa	ggaccgagc	ctcaggagag	cctccgcacg	aagtcggacc	60
gtcctgcgcg	ccgcctaagt	ccaggcttgc	ccgtctgcyg	mcaggcaaca	acgcccctag	120
tctctccgtt	cgggaasmcg	cgtggccctg	cctgccamcc	accggaagtg	agggcaaagt	180
gcaacagcgg	ctctggaatt	ctatacaggc	attgcysagg	acacctaaga	tgacgcaatc	240
tmcgcgcggg	tagggcgggg	ctccgcaagg	acctcatgcc	ttagagatcg	cctgaagagc	300
ggaagccttc	tgtcgagaag	cagctaccca	agctccagga	gcttccgaag	aaacaggacc	360
agagagggaa	ggtgacctga	aagtcacaga	ataatttttt	agagctgaac	aagaatccaa	420
gcctgcaact	gcagagacga	gagatctttc	tgtgtgtctat	actcttgga	agcacatcct	480
aagatctttg	cagattatcc	tgtggaagga	aaatgcctaa	agtcaaaaga	agcggaaaag	540
cacccccaga	tggctgggag	ttgattgagc	caacactgga	tgaattagat	caaaagatga	600
gagaagctga	aacagaaccg	catgagggaa	agaggaaagt	ggaatctctg	tggcccatct	660
tcaggatcca	ccaccagaaa	acccgctaca	tcttcgacct	cttttacaag	cggraagcca	720
tcagcagaga	ctctatgaat	a				741

<210> 14959
 <211> 740

<212> DNA
<213> Homo sapiens

<400> 14959
 tggaacagat ttcaaaaaaa aacccccacaa tctaggggtgg gaacaaggaa ggaaagatgt 60
 raataggctg atgggcaaaa aaccaattta cccatcagtt ccagccttct ctcaaggaga 120
 ggcaaaagaaa ggagatacag tggagacatc tggaaagttt tctccactgg aaaactgcta 180
 ctatctgttt ttatatcttct gttaaaatat atgaggctac agaactaaaa attaaaacct 240
 ctttgtgtcc cttggctcctg gaacatttat gttcctttta aagaaacaaa aatcaaactt 300
 tacagaaaga tttgatgtat gtaatacata tagcagctct tgaagtatat atatcatagc 360
 aaataagtca tctgatgaga acaagctatt tgggcacaa acatcaggca aagagagcac 420
 cacgtgatgg agtttctcca gaagctccag tgataagaga tgttgactct aaagttgatt 480
 taaggccagg catggtggtt tacgcctata atcccagcat tttgggagtc cgaggtgggc 540
 agatcacttg agctcaggag gtcaagatca gcctgggcaa catggtgaaa cttgtctcta 600
 cataaaatac aaaaacttag atgggcatgg tgggtgtgtgc ctatagtccc actacttggt 660
 gggctaaggc aggaggatca cttgagcccc ggagggtcgag gctacagtga gccaaagagt 720
 cactactgta ctccagccag 740

<210> 14960
<211> 739
<212> DNA
<213> Homo sapiens

<400> 14960
 ggaagtgacg taggacgcgc cctccatttt gtggagcgcc agagctgcta agtgcgtcag 60
 ttgtggagtg gcgtagacga gtttaagtcct ggtctgctg gaggtcgacg actccgtcgc 120
 agactacgga cctgtctggg tctcagccgc caaagacccc gtccggtagg tgagtggctc 180
 actttgaggg caagccttct cggatcgagg cttcttcatg gccgctcaga tctgtgagcg 240
 ccggggctgc tctcttttgc gaggatggcg tctaatgagc gcagttgatt cgaggaagta 300
 ctagccggac atcatgagtg gctgtcgggt attcatcggg agactaaatc cagcggccag 360
 ggagaaggac gtggaaagat tcttcaaggg atatggacgg ataagagata ttgatctgaa 420
 aagaggcttt ggttttgttg aatttgagga tccaagggat gcagatgatg ctgtgtatga 480
 gcttgatgga aaagaactct gtagtgaaag ggttactatt gaacatgcta gggctcggtc 540
 acgaggtgga agaggtagag gacgatactc tgaccgtttt agtagtcgca gacctcgaaa 600
 tgatagacga aatgsyscna cctgtaagaa cagaaaatcg tcttatagtt gagaatttat 660
 cctcaagagt cagctggcag gtttgttgaa atacagtttt gagttatttt gatgtggcct 720
 tttaaaaaag ttaatgggt 739

<210> 14961
<211> 732
<212> DNA
<213> Homo sapiens

<400> 14961
 ttccagtacc tataggtcgc gtaaacaact ccctttctcc agctctgggc tccgcgcccc 60
 cccgggggac agctccttca gtctcgaggc tgacatggac ccaaactctc gggcgccct 120
 ggagcgccag cagctccgcc ttcgggagcg gcaaaaattc ttcgaggaca ttttacagcc 180
 agagacagag tttgtctttc ctctgtccca tctgcatctc gactcgaga gacccccat 240
 aggtagtatc tcatccatgg aagtgaatgt ggacacactg gagcaagtag aacttattga 300
 ccttggggac ccggatgcag cagatgtggt cttgccttgc gaagatcctc caccaacccc 360
 ccagtcgtct ggggtggaca accatttggg ggagctgagc ctgccgntg cctacatcag 420
 acaggaccac atctaggacc tctctctcct cctcctccga ctctccacc aacctgcata 480
 ggccaaatcc aagtgatgat ggagcagata cgcccttggc acagtcggat gaagaggagg 540
 aaaggggtga tggaggggca gagcctggag cctgcagcta gcagtgggccc cctgcctaca 600

004220" 666E1560

gactgaccac gctggctatt ctccacatga gaccackagc ccamknnaga gcctgtcggg 660
 agaagaccag actctttact tgcagtnnra ccagaggtgg gaangatggt gggattgtgt 720
 acctttctaa ga 732

<210> 14962
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 14962
 acattccccg gccagcttct gtactgccag gtcggggtcg gcggtctgcac tgcggatgag 60
 accggtgcca ctcatgaagg tggttcgtcac ccgcaggata cccgccgagg ctgtgaggtg 120
 gagcagtggg actcggatga gcccatccct gcgaaggagc tagagcgagg tgtggcgggg 180
 gcccacggcc tgctctgcct cctctccgcc acgtggacaa gaggatcctg gatgctgcag 240
 gggccaatct caaagtcac agcaccatgt ctgtgggcat cgaccacttg gctttggatg 300
 aaatcaagaa gcgtgggatc cgagttggct acaccccgag tgtmctgmca grtccgggtc 360
 ggcggtgcca ctgcggtatga gaccggtgag actcatgaag gtgttcgtca cccgcaggat 420
 accgcgccag ggtagggtcg cgctcgcccg ggcggcagac tgtgaggtgg agcmntggga 480
 ctcggtatgag cccatccctg ccaaggagct agagcgaggt gtggcggggg cccacggcct 540
 gctctgcctc ctctccgacc acgtggacaa gaggatcctg gatgctgcag gggccaatct 600
 caaagtcac agcaccatgt ctgtgggcat cgaccacttg gctttggatg aaatcaagaa 660
 gcgtgggatc cgagttggct acaccccgag tgtcctgaca ga 702

<210> 14963
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 14963
 gtactaagac taggggttggg ccgagagtcg gnnccattac tgcaggaaaa ggtccccggag 60
 agctgagcag tcaagatgtg tgacttcacc gaagaccaga ccgcagagtt caaggaggcc 120
 ttccagctgt ttgaccgaac aggtgatggc aagatcctgt acagccagtg tggggatgtg 180
 atgagggccc tgggccagaa ccctaccaac gccagaggtgc tcaaggteet ggggaacccc 240
 aagagtgatg agatgaatgt gaaggtgctg gactttgagc actttctgcc catgctgcag 300
 acagtggcca agaacaagga ccagggcacc tatgaggatt atgtcgaagg acttcgggtg 360
 tttgacaagg aaggaaatgg caccgtcatg ggtgctgaaa tccggcatgt tcttgtcaca 420
 ctgggtgaga agaaggacag aggaagaagt agagatgctg gtggcagggc atgaggacag 480
 caatggttgt atcaactatg aagagctcgt ccgcatgggt ctgaatggct gaggaccttc 540
 ccagtctccc cagagtcctg gcctttccct gtgtgaattt tgtatctagc ctaaagtctc 600
 cctaggcttt cttgtctcag caactttccc atctgtctc tcttgatga tgtttgccgt 660
 cagcattcac caataaaact tgctctctgg ac 692

<210> 14964
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 14964
 gacaacagcc acacgtgato ggccaacact gagtcttacc tcgttgtggc gtcakaaccg 60
 ccgtcgctcg ctcccttctc ggcagtggta cctgttcccg gtgtccctga ggacgtgcgg 120
 gccaggtacg gcccttctt gatgcagaaa atggttgttt gcggggccaa gtgttgccggc 180
 gacgcacctc acgtcgagaa tcggggaggag gagactrcaa ggataggccc aggagtaatg 240
 gagtccaaag agaacgagcg ttaaacaatc tcatcgtgga aaatgtcaac caggaaaatg 300
 atgaaaaaga tgaaggag caagtwgcta ataaagggga gcccttggcc ctacctttgr 360

atgytrgtga	atactgtgtg	cctagaggaa	atcgtaggcg	gttccgcgtt	aggcagccca	420
tcctgcagta	tagatgggat	atgatgcata	ggcttgagga	accacaggca	aggatganag	480
aagagaatat	ggaaaggatt	ggggaggagg	tgagacagct	gatggaaaag	ctgagggaaa	540
agcagttgag	tcatagtctg	cgggcagtca	gcactgaccc	ccctcaccat	gaccatcatg	600
atgagttttg	cnwatgccc	tgaatcctga	tggtttccct	aaagttatta	cggaaamagm	660
cccctgcttt	cgaatttaca	tgttcatgat	gt			692

<210> 14965
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 14965						60
attttttttg	agcgcatgcg	caagacatgc	tagtctcttt	tccggttagc	gcggcgtgag	120
aagccatgag	cagcaaagtc	tctcgcgaca	ccctgtacga	ggcgtgacg	gaagtcctgc	180
acgggaacca	gcgcaagccn	cgcaagttag	tgccgaccct	ggggcacggc	gcgggtggcg	240
agggccggcg	ggtgcttaac	ccccctctc	tctcgaaggt	tcctggagac	ggtggagtgt	300
cagatcagct	tgaagaacta	tgatccccag	aaggacaagc	gcttctcggg	caccgtcagc	360
actgtgacga	ggctaaggcc	gtggatatcc	cccacatgga	catcgaggcg	ctgaaaaaac	420
tcaacaagaa	taraaaactg	gtcaagaagc	tggccaagaa	gtatgatgag	tttttggcct	480
cagagtctct	gatcaagcag	attccacgaa	tcctcgcccc	aggtttaaat	aaggcaggaa	540
agttccctty	cctgtctaca	cacaacgaaa	acatggtggc	caaagtggat	gaggtgaagt	600
ccacaatcaa	gttccaaatg	aagaagggtg	tatgtctggc	tgtagctgtt	ggtcacgtga	660
agatgacaga	cgatgagctt	gtgtataaca	ttcacctggc	tgtcaacttc	ttggtgtcat	689
tgctcaagaa	aaactggcag	aatgtccgg				

<210> 14966
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 14966						60
agctctgaat	tgggaaggga	tgaaggaggc	tgtgcctccg	ggttgacacg	agagtccgag	120
tcattttctca	gaaggttttg	ataggtgggc	cttagaggag	acgccgccga	gcaccgcaag	180
aactggaaaa	cacaccctc	tctgtctgcc	tgggagagcc	acggaaattg	gcacttctct	240
gagtgaagct	gaggagaagg	ctgtaaattc	gccaaaacag	ccttgaagta	ttcttttgtc	300
atgaggaagt	gacggctgct	ggagggagg	gaacaccaca	aggagagatg	gcactctggc	360
tgggccccgc	ctagcagcag	ctccacctcc	taggccaggc	cctgtgggat	gcgccactag	420
accaccatgg	acggatccca	cagcgcascc	tgaagctgca	gcagctgcct	cccacaagta	480
gctccagcgc	cgtaagcgag	gcctccttct	cctacaagga	aaacctgatt	ggcgccctct	540
tggcgatctt	cgggcacctc	gtggtcagca	ttgcacttaa	cctccagaag	tactgccaca	600
tccgcctggc	aggctccaag	gatccccggg	cctattttcaa	gaccaagaca	tggtggctgg	660
gcctgttctt	gatgcttctg	ggcgagctgg	gtgtgttcgc	mtcntacgcc	ttcgcgccgc	683
tgtcactcat	cgtgccccctc	agc				

<210> 14967
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 14967						60
agtgaagtgtg	gaggcgcgga	cgcsgggcga	ncgtggaactg	ctgcngmtgc	tgccgccgcc	120
ggaggaacct	tgatcccykt	gctccggaca	ccccgggcct	cgccatggct	gaccagctga	180
ctgaggagca	gattgcaggg	gcttgatata	artrgctgca	ggacgagccc	aactctctct	

cccagcttca	gccagggttg	cttagaagag	ttcaaggagg	ccttctccct	ctttgacaag	240
gatggagatg	gcactatcac	caccaaggag	ttggggacag	tgatgagatc	cctgggacag	300
aacccactg	aagcagagct	gcaggatatg	atcaatgagg	tgatgcaga	tggaacggg	360
accattgact	tcccggagtt	cctgaccatg	atggccagaa	agatgaagga	cacagacagt	420
gaggaggaga	tccgagaggc	gttccgtgtc	tttgacaagg	atgggaatgg	ctacatcagc	480
gccgcagagc	tgcgtcacgt	aatgacgaac	ctgggggaga	agctgaccga	tgaggagggtg	540
gatgagatga	tcaggagggc	tgacatcgat	ggagatggcc	aggtcaatta	tgaagagttt	600
gtacagatga	tgactgcaaa	gtgaaggccc	cccgggcagc	tggcgatgcc	cgttctcttg	660
atctctctct	tctcgcgcgc	g				681

<210> 14968
 <211> 670
 <212> DNA
 <213> Homo sapiens

<400> 14968						
atTTTTTTTg	agcgcgatgcg	caagacatgc	tagtctcttt	tccggttagc	gcggcgtgag	60
aagccatgag	cagcaaagtc	tctcgcgaca	ccctgtacga	ggcgggtgcg	gaagtcctgc	120
acgggaacca	gcgcaasgcc	gcaagttcct	ggagacggtg	gagttgcaga	tcagcttgaa	180
gaactatgat	cccagaagg	acaagcgctt	ctcgggcacc	gtcaggctta	agtccactcc	240
ccgcccctaag	ttctctgtgt	gtgtcctggg	ggaccagcag	cactgtgacg	aggctaaggc	300
cgtggatatac	ccccacatgg	acatcgaggc	gctgaaaaaa	ctcaacaaga	ataaaaaact	360
ggtcaagaag	ctggccaaga	agtatgatgc	gtttttggcc	tcagagtctc	tgatcaagca	420
gattccaaga	atcctcggcc	caggtttaaa	taaggcagga	aagttccctt	ccctgctcac	480
acacaacgaa	aacatggtgg	ccaaagtggg	tgaggtgaag	tccacaatca	agttccaaat	540
gaagaagggtg	ttatgtctgg	ctgtagctgt	tggtcacgtg	aagatgacag	acgatgagct	600
tgtgtataac	attcacctgg	ctgtcaactt	cttgggtgtca	ttgctcaaga	aaaactggca	660
gaatgtccgg						670

<210> 14969
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 14969						
agtcttngtg	tgtccggaat	tggtgggttc	ttggtctcac	tgagttctag	aatgaagctg	60
cagaccctcg	cagtgagtgt	tacagctctt	aagttctggt	cagcctatgt	gccatgccag	120
accaggagcc	gggatgccct	gcgcctcacc	ctggagcaga	ttgacctcat	acgccgcatg	180
tgtgcctcct	attctgagct	ggagcttggt	acctcggtta	aagctctgaa	cgacactcag	240
aaattggcct	gcctcatcgg	tgtagagggt	ggccactcgc	tggaacaatag	cctctccatc	300
ttacgtacct	tctacatgct	gggagtgcgc	tagsstgacg	ctcaccacac	cctgcaacac	360
accctgggca	gagagctccg	ctaaggggcg	ccactccttc	tacaacaaca	tcagcgggct	420
gactgasttc	tagaatgaag	ctgcagaccc	tcgcattctg	gtcagcctat	gtgccatgcc	480
agaccagga	ccgggatgcc	ccgcgcctca	ccctggagca	gattgacctc	atacgccgca	540
tgtgtgcctc	ctattctgag	ctggagcttg	tgacctcggc	taaagctctg	aacgacactc	600
agaaattggc	ctgcctcatc	ggtgtagagg	gtggccactc	gctggacaat	agcct	655

<210> 14970
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 14970						
gacttgcttc	ctctttgcct	tccaccatga	ttgtaagttt	cctgaggcct	cccagccatg	60

cttcctctga	agcctgcgga	acttcctgag	cctcctacct	ctgctggaag	cccagatccc	120
attgtgtgcc	aacctagtag	cgggtgccc	caccaacgcc	accctggacc	rgatcactgg	180
caagtgggtt	tatatcgcat	cggcctttcg	aaacgaggag	tacaataagt	cggttcagga	240
gatccaagca	accttctttt	acttcacccc	caacaagaca	gaggacacga	tctttctcag	300
agagtaccag	acccgacagg	accagtgc	ctrtaacacc	acctacctcc	cgtgagagt	360
aacgagtgtt	gagaacaaa	tgtgaggtgt	gagtgtga	acgagtga	agtgagtgt	420
aacaagagac	tgcgasaagg	aggtccccc	cggcccttca	ggatgaaagc	tgcgcgtgct	480
gaccttggtc	gtgctcttcc	tgacggccta	aagctccttg	acaactggga	cagcgtgacc	540
tccaccttca	gcaakctgcg	cgaacagctc	ggcctgtga	cccagagtt	ctgggataac	600
ctggaagagg	asacakaggg	cctgaggcag	gasatgagca	aggatctgga	gg	652

<210> 14971
 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 14971						60
caagcaagtt	tttgacagcc	ctggctcaag	atgggtgtgat	aatgaagaa	gctcttttctg	120
ttactgaact	agatcgagtc	tatggaggtc	ttacaactaa	agtccaagaa	tctctaaaga	180
aacaggaggg	acttcttaaa	aatattcagg	tctcacatca	ggaattttcg	aaaatgaaac	240
aatctaataa	tgaagctaac	ttaagagaag	aagttttgaa	gaatttagct	actgcatatg	300
acaactttgt	tgaacttgta	gctaatttga	aggaaggcac	aaagttttac	aatgagttga	360
ctgaratcct	ggtcaggttc	cagaacaaat	gcagtgat	agtttttgca	cggaagacag	420
anagagatga	actcttaaag	gacttgcaac	aaagcattgc	cagagaacct	agtgtcctt	480
caattcctac	acctgcgtat	cagtcctcac	cagcaggagg	acatgcacca	actcctccaa	540
ctccagcgcc	aagaaccatg	ccgcctacta	agccccagcc	cccagccagg	cctccaccac	600
ctgtgcttcc	agcaaatcga	gctccttctg	ctactgctcc	atctccagt	ggggctggga	646
ctgctgcgcc	astccatcac	aaacgcctgg	ctcagctcct	ccccca		

<210> 14972
 <211> 645
 <212> DNA
 <213> Homo sapiens

<400> 14972						60
cagttacttt	caggctcggg	gagtgaaggc	ctcgttgaga	gaaggtctca	ttcgggtgtt	120
tgggcaagag	agtcgtgtg	gcccaggat	cgtagcggcg	acacgagaga	gacgggcggt	180
gtgacagcct	tccactacct	gcacgagtg	attggtctgt	ctgctatcag	ctatgccgct	240
gcccgtttcg	ctgcagaccc	gcttggtcaa	gagaggcatc	ctcaaacatc	tggagcctga	300
accagaggaa	gagatcattg	ccgaggacta	tgacgatgat	cctgtggact	acgaggccac	360
caggttgagg	ggcctcgytg	rgasaaggtc	tcattcgggt	ttttgggaag	agagtcgtgt	420
gggcccagg	atcgtagcgg	cgacacgaga	kasacggg	gtgtgacagc	cttccactac	480
ctgcacgagt	gtattggtaa	cgttkgggtc	tgtctgctat	cagctatgcc	gctgcccgtt	540
gcgctgcaga	cccgcttggc	caagagaggc	atcctcaa	atctggagcc	tgaaccagag	600
gaagagatca	ttgccgagga	ctatgacgat	gatcctgtg	actacgaggc	caccangttg	645
gagggcctac	caccaagctg	gtacaagggt	ttcgaccctt	cctgc		

<210> 14973
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 14973						60
cacctccccg	ccttgttgtc	caacttctcc	cggagcagcc	ggagagcagg	cgtcgggacg	

004220" 666E F560

cagcaaagag	aggagagacc	ccagagtcag	aaggagtgag	aaccctgacc	cctaatccca	120
ctgcatccag	ccaataggag	cccagtaagt	gacccaccc	cgcaggctgc	aggctccttc	180
ctgtgcaggc	caccatggcg	gastgcagga	ggtgcagatc	acagaggaga	agccactggt	240
gccaggacag	acgcctgagg	cgccaagga	ggtgagtta	gctgcccga	tcctcctgga	300
ccaggacag	actcactctg	tggagacacc	atcaggctct	gtcactttca	ctgtctatgg	360
cacccccaaa	cccaaacgcc	cagcgatcct	tacctaccac	gatgtgggac	tcaactataa	420
atcttgcttc	cagccactsy	ttcagttcga	ggacatgcag	gaaatcattc	agaactttgt	480
gcgggttcat	gtggatgccc	ctggaatgga	agaggagacc	ctgtgttccc	tttgggatat	540
cagtacccat	ctctggacca	gcttgcagac	atgatccctt	gcgtcctgca	gtacctaaat	600
ttctctacaa	taattggagt	ggtgttggag	ctggagcct			639

<210> 14974

<211> 631

<212> DNA

<213> Homo sapiens

<400> 14974

accgtccggc	gcgatggcgg	ggagtagctc	gctggaggcg	gtgcgcagga	agatccggag	60
cctgcaggag	caggcggacg	ccgctgagga	gcgcgcgggc	accctgcagc	gcgagctgga	120
ccacgagagg	aagctgrrgg	agaccgctga	agccgacgta	gcttctctga	acagacgcat	180
cnagctggtt	gaggaagagt	nggatcgtgc	ccaggagcgt	ctggcaacag	ctttgcagaa	240
gctggaggaa	gctgagaaga	gcagatgaga	gtgagagagg	catgaaagtc	attgagagtc	300
gagcccaaaa	agatgaagaa	aaaatggaaa	ttcaggagat	ccaactgaaa	gaggcmaagc	360
acattgctga	agatgccgac	cgcaaatatg	aagagggtgc	ccgtaagctg	gtcatcattg	420
agagcgacct	ggaacgtgca	gaggagcggg	ctgagctctc	agaaggcaaa	tgtgccgagc	480
ttgaagaaga	attgaaaact	gtgacgaaca	aactgaagtc	actggaggct	caggctgaga	540
agtactcgca	gaaggaaagc	agatatgagg	aagagatcaa	ggtcctttcc	gacaagctga	600
aggaggctga	gactcgggct	gagtttgccg	a			631

<210> 14975

<211> 631

<212> DNA

<213> Homo sapiens

<400> 14975

aacactcgga	ggtggcggtg	gatcttactc	cttccagcca	gtgaggatcc	agcaacctgc	60
tccgtgcctc	cgcgcgctgt	nggttggaag	tgacgacctt	gaagatcggc	cggttggaag	120
tgacgacctt	gaagatcggc	gggcgcasgg	ggccgagggg	gcgggtctgg	cgctaggtcc	180
agccccctgc	tgccgggaac	cccagaggag	gtcgcagttc	agcccagctg	aggcctgtct	240
gcagaatccr	cascaaccag	caccatgccc	atgacactgg	ggtactggra	catccgcggg	300
ctggcccayk	ccatccgcct	gtcctggaa	tacacagact	caagctayga	ggaaaagaag	360
tacacgatgg	gggacgctcc	tgattatgac	agaagccagt	ggctgaatga	aaaattcaag	420
ctgggcctgg	actttcccaa	tctgccctac	ttgattgatg	ggrctcacia	gatcaccag	480
agcaacgcca	tcctgcggta	cattgcccg	aagcacaacc	tgtgcgggga	atcagaaaag	540
gagcagattc	gcgaagacat	tttgagaaac	cagtttatgg	acagcgatg	cagctggcca	600
actctgctat	gacccagatt	ttgtagtccc	c			631

<210> 14976

<211> 629

<212> DNA

<213> Homo sapiens

<400> 14976

aggggactcc	gggaggagga	acatggcggt	ggcggacctc	gctctcattc	ctgatgtgga	60
------------	------------	------------	------------	------------	------------	----

004229" 6665560

catcgactcc	gacggcgtct	tcaagtatgt	gctgatccga	gtccactcgg	ctccccgctc	120
cggggctccg	gctgcagaga	gcaaggagat	cgtgcgcggc	tacaagtggg	ctgagtacca	180
tgcggacatc	tacgacaaag	tgtcgggcga	catgcagaag	caaggctgcs	actgtgagtg	240
tctgggcggc	gggcgcacat	cccaccagag	tcaggacaag	aagattcacg	tgtacggcta	300
ttccatggcg	gtsgcssasc	wcgctctcat	tcctgatgtg	gacatcgact	ccgacggcgt	360
cttcaagtat	gtgctgatcc	gagtccactc	ggctccccgc	tccggggctc	cggtgcaga	420
gagcaaggag	atcgtgcgcg	gctacaacgg	acatctacga	caaagtgtcg	ggcgacatgc	480
agaagcaagg	ctgcgactgt	gagtgtctgg	gcggcggggc	catctcccac	cagagtcagg	540
acaagaagat	tcacgtgtac	ggctattcca	tggcctatgg	tcctgcccag	cacgccattt	600
caactgagaa	aatcaaaagg	aagtacccc				629

<210> 14977
<211> 618
<212> DNA
<213> Homo sapiens

<400> 14977						60
atgtgtagcg	gcagtggccg	ccggcggaca	gtctgagccc	gacgatgagg	ccggggacgg	120
gagctgagcg	tggaggcctc	atgatggggc	accctggcat	gcattatgcc	ccaatgggaa	180
tgcaccctat	gggtcagaga	gcgaatatgc	ctcctgtacc	tcatggaatg	atgccgcaga	240
tgatgcccc	tatgggaggg	ccaccaatgg	gacaaatgcc	tggaatgatg	tcgtcagtaa	300
tgcctggaat	gatgatgtct	catatgtctc	aggcttccat	gcagcctgcc	ttaccgccag	360
agtaaatagt	atggatgtag	cagcaggtac	agcatctsgt	gcaaaatcaa	tgtggactga	420
acataaatca	cctgatggaa	ggacttacta	ctacaacact	gaaaccaaac	agtctacctg	480
ggagaaacca	gatgatctta	aaacacctgc	tgagcaactc	ttatctaaat	gccccaggaa	540
ggaatacaaa	tcagattctg	gaaagcctta	ctattataat	tctcaaacaa	aagaatctcg	600
ctggggccaaa	cctaaagaac	ttgaggatct	tgaagcaatg	atcaaagctg	aagaaagcag	618
taagcaagaa	gagtgcac					

<210> 14978
<211> 616
<212> DNA
<213> Homo sapiens

<400> 14978						60
gtgccanccg	ggtctctcgc	gcgassattt	agtctgaggc	gaacttcgga	gcggccggta	120
ctgttgaaag	cgacaagtgg	aggcgccgct	ctagcgcccg	ggactctgaa	ctatggcgcc	180
tagtgataca	gagcgagatg	gactagcccc	cagaaaagac	atcaccagat	agagataaga	240
aaaaagagca	gtcagaagta	tctgtttctc	ctagagcttc	aaaacatcat	tattcaagat	300
cacgatcaag	gtcaagagaa	agaaaacgaa	agtcagataa	tgaaggaaga	aaacacagga	360
gccggagcag	aagcaaagag	ggaagaagac	atgaatccaa	agataaatcc	tctaagaaac	420
ataagtctga	ggaacataat	gacaaagaac	attcttctga	taaaggaaga	gagcgactaa	480
attcatctga	aaatggtgag	gacaggcaca	aacgcaaaga	aagaaagtca	tcaagaggca	540
gaagtcactc	aagatctagg	tctcgtgaaa	gacgccatcg	tagtagaagc	agggagcgga	600
agaagtctcg	atccaggagt	agggagcgga	agaaatcgag	atccagaagc	agagagagga	616
agaaatcgag	atccag					

<210> 14979
<211> 597
<212> DNA
<213> Homo sapiens

<400> 14979						60
agtttgggag	gaaggcttct	gagaagactg	gtgggagaga	aggagagcct	gcagacagag	

gcctccagct tggaggaaaa gctttcggac tgctgaaggc ccagcaggaa gagaggctgg 120
 atgagatcaa caagcaattc ctagacgac ccaaatatag cagtgatgag gatctgccct 180
 ccaaactgga aggcttcaaa gagaaataca tggagtttga ccttaatgga aatggcgata 240
 ttgatatcat gtccctgaaa cgaatgctgg agaaacttgg agtccccaag actcacctag 300
 agctaaagaa attaattgga gaggtgtcca gtggctccgg ggagacgttc agctaccctg 360
 actttctcag gatgatgctg ggcaagagat ctgccatcct aaaaatgac ctgatgtatg 420
 aggaaaaagc gagagaaaag gaaaagccaa caggccccc agcnagaaag ctatctctga 480
 gttgccctga tttgaaggga aaagggatga tgggattgaa ggggcttcta attaccaga 540
 tatggaaaca gaagacaaaa ttgtaagcca gattcaacaa attaaataaa ttacccc 597

<210> 14980
 <211> 593
 <212> DNA
 <213> Homo sapiens

<400> 14980
 cccctccgct ccaggcttcc ttctgcaaca ggctggtgct acgctctcgc tcggtctttc 60
 tgccgccatc ttggttccgc gttccctgca cagcctcctt tttattcscn ttccctkasa 120
 aatgcccgcc gaacacagaa accgtccctg ctacagagca ggagttgccg cagccccagg 180
 ctgagacagg gtctggaaca gaatctgaca gtgatgaatc agtaccagag cttgaagaac 240
 aggattccac ccaggcaacc acacaacaag cccagctggc ggacagcagc gaaatcgatg 300
 aagaaccagt cagttaaagca aaacagagtc ggagtgaata gaaggcacgg aaggctatgt 360
 ccaaactggg tcttcggcag gttacaggag ttactagagt cactatccgg aaatctaaga 420
 atatcctctt tgtcatcaca aaaccagatg tctacaagag ccctgcttca gatacttaca 480
 tagtttttgg ggaagcnaag atcgaagatt tatcccagca agcacaacta gcagctgctg 540
 agaaaattcaa agttcaaggt gaagctgtct caaacattca agaaaacaca cag 593

<210> 14981
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 14981
 gtactaagac tagggttggg ccgagagtcg gnnccattac tgcaggaaaa ggtcccggag 60
 agctgagcag tcaagatgtg tgacttcacc gaagaccaga ccgcagagtt caaggaggcc 120
 ttccagctgt ttgaccgaac agwgatgcaa tgtgaagggt ctggactttg agcactttct 180
 gcccagctgt cagacagtgg ccaagaacaa ggaccagggc acctatgagg attatgtcga 240
 aggacttcgg gtgtttgaca aggaaggaaa tggcaccgtc atgggtgctg aaatccggca 300
 tgttcttgtc acactgggtg agaagaagga cagaggaaga agtagagatg ctggtggcag 360
 ggcatgagga cagcaatggt tgtatcaact atgaagagct cgteccgatg gtgctgaatg 420
 gctgaggacc ttcccagctc ccccagagtc cgtgectttc cctgtgtgaa tttgtatct 480
 agcctaaagt ttccctaggc tttcttgtct cagcaacttt cccatcttgt ctctcttggg 540
 tgatgtttgc cgtcagcatt caccaataa acttgctctc tggac 585

<210> 14982
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 14982
 accgcgcatk ctttttttcc agccccggta ccggaccctg cagccgcaga gatgttgatg 60
 cctaagaaga accgattgac catttatgaa ctccttttta aggaggaggt catggtggcc 120
 aagaaggatg tccacatgcc taagcaccgg gagctggcag acaagaatgt gcccaacctt 180
 catgtcatga aggccatgca gtctctcaag tcccagggt acgtgaagga acagtttgcc 240

tgagacatt	tctactgga	ccttaccaat	gagggatatcc	agtatctccg	tgattacctt	300
catctgcccc	cggagattgt	gcctgccacc	ctacgccgta	gccgtccaga	gactggcagg	360
cctcggccta	aaggtctgga	gggtgagcga	cctgcgagac	tcacaagagg	ggaagctgac	420
agagatacct	acagacggag	tgctgtgcca	cctggtgccg	acaagaaagc	cgaggctggg	480
gctgggtcag	caaccgttcc	agtttagagg	cggatttggt	cgtggacgtg	gtcagccacc	540
tcagtaaaat	tggagaggat	tcttttgcat	tgaataaact	tacag		585

<210> 14983

<211> 576

<212> DNA

<213> Homo sapiens

<400> 14983						60
cagttacttt	caggctcggg	gagtgaaggc	ctcgttgaga	gaaggtctca	ttcgggtgtt	120
tgggaagaga	gtcgtgtggg	cccagggtctg	tctgctatca	gctatgccgc	tgcccgttgc	180
gctgcagacc	cgtttggcca	agagaggcat	cctcaaaccat	ctggagcctg	aaccagagga	240
agagatcatt	gccgaggact	atgacgatga	tectgtggac	tacgaggcca	ccagggttga	300
gggcctcgyt	grgasaaggt	ctcattcggg	gttttgggaa	gagagtcgtg	tgggcccagg	360
tatcgtagcg	gcgacacgag	akasacgggc	ggtgtgacag	ccttccacta	cctgcacgag	420
tgtatttgga	acgttkgggt	ctgtctgcta	tcagctatgc	cgtgcccgt	tgcgctgcag	480
accgccttgg	ccaagagagg	catacctcaa	catctggagc	ctgaaccaga	ggaagagatc	540
attgccgagg	actatgacga	tgatcctgtg	gactacgagg	ccaccangtt	ggagggccta	576
ccaccaagct	ggtacaaggt	gttcgaccct	tectgc			

<210> 14984

<211> 575

<212> DNA

<213> Homo sapiens

<400> 14984						60
aagacagggg	cccgcagctc	agctacagca	cagatcagtt	atcctggggc	atacagccat	120
accattctga	aggtgtctta	tctcctctga	tctagagagc	accatgaagc	ttctcacggg	180
cctggtttct	gctccttggc	ctgrgtgtca	gcagccgaag	cttcttttcg	ttccttggcg	240
aggtttttga	tggggctcgg	gacatgtgga	gagcctactc	tgacatgaga	gaagccaatt	300
acatcggctc	agacaaatac	ttccatgctc	gggggaacta	tgatgctgcc	aaaaggggac	360
ctgggggtgt	ctgggctgca	gaagcgatca	gcgatgccag	agagaatatc	cagagattct	420
ttggccatgg	tgcgaggagc	tcgctggctg	atcaggctgc	caatgaatgg	ggcaggagtg	480
gcaaagaccc	caatcacttc	ygacctgctg	gcctgcctga	gaaatactga	gcttcctctt	540
cactctgctc	tcaggagatc	tggtctgtgag	gccctcaggg	cagggataca	aagcggggag	575
agggtacaca	atgggtatct	aataaatact	taaga			

<210> 14985

<211> 275

<212> DNA

<213> Homo sapiens

<400> 14985						60
aagcacaact	gctaaagctc	cagagacacg	agcgtgtgtg	gcvgcaagag	ccgccagttc	120
gggaccaccg	cagctggggg	ggcagcggcg	caggaggggt	cgcggggagg	gagtgggtgag	180
cgcaggcggc	aggggtctgg	gaaagacgaa	gtcgtctatg	gctgtctgm	cgcgctcgca	240
gctcctggaa	gtgttgccgc	ctctcggttt	cgctctcgct	cgctgcgctc	ctagaagggg	275
cggccgcctc	caggactgac	cagggccaag	tggcg			

<210> 14986

<211> 129
 <212> DNA
 <213> Homo sapiens

<400> 14986
 gaacttgga cccgctggc tcgctcggtg cgcgcctccc tccccgcatg cagccccgcg 60
 agcgtctcg ggtccccagg atcgaccctg acggattcga gcggcctgag gacttcgacg 120
 acaccgct 129

<210> 14987
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 14987
 gagccggagc cgagcgccag tttttccagg gctaccagct gaagagctcc tgtgggactc 60
 cagccccacc accatgggca gccccgagg ccgcttccac ttgccatcg accgtggggg 120
 taccttcaca gacgtctagv 140

<210> 14988
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 14988
 gttttggcgg gcgggtggcg ttgcgcagaa ggcggcgcg gtggtggctt gtggtgcggc 60
 ctcaccaymc aggaacaggg ct 82

<210> 14989
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 14989
 tgtgaccaga ccaagagacg ccttggtatg tggagaatag gtgaccctct gttgggtaaa 60
 agaggactca agccctcaca cagtggcccc aggcagccgg gatgacagct ctccccagga 120
 atctgtctgc ctgctgagaa acatggctcag caagtcccgc tggaagctcc tggccatggt 180
 ggctctggtc ctggctcgtca tgggtgtgga ttccatctcc cgggaagaca ggtaca 236

<210> 14990
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 14990
 aataaactgc acaaatttga agtataaaat ttcatacttt ttttttgaga cggagtctcg 60
 cactctcgcc tgggctagag tgcagtggcg caatctcgga tcaactgcaac ctccgcctcc 120
 cgggttcaag caattctctt gcctcagcct cctgagtagc tgggattaca tgcacccgcc 180
 ccacc 185

<210> 14991
 <211> 76
 <212> DNA
 <213> Homo sapiens

001220"606ET560

<400> 14991
attgtgactc ctgaggagg ggcacgccc gggagggggc ggagggccat tgtccggtca 60
gcgcagctcc ggggga 76

<210> 14992
<211> 161
<212> DNA
<213> Homo sapiens

<400> 14992
ctgtgacac tctggagcac tggatggaac ctgtcaaagt ccagagcatt gtgtgcactg 60
gccggcgta atggcaccca gaccccgctc tagtccactg catccagtca tgtgagccct 120
tccaagcaga tggttggtgt gacactatca acaccgagc c 161

<210> 14993
<211> 100
<212> DNA
<213> Homo sapiens

<400> 14993
attttgcttg taaaatgctt aatatcgtgc ctaggttatg tggtgactat ttgaatcaaa 60
aatgtattga atcatcaaat aaaagaatgt ggctattttg 100

<210> 14994
<211> 98
<212> DNA
<213> Homo sapiens

<400> 14994
gaaaagagag cgagagcagc gagcgcggt ccacattgtt gcggatcgcc ggcacccggc 60
agagcggcgg cggctgggac gcgcggcgcc tccgaccc 98

<210> 14995
<211> 55
<212> DNA
<213> Homo sapiens

<400> 14995
gttcgcaggg gaggaggcgg cgggaggcgg aggaggcggc ggcggcgacg gaggt 55

<210> 14996
<211> 139
<212> DNA
<213> Homo sapiens

<400> 14996
tgactccatg ttgccacaaa gattgcatgc caattgttat atatatccta tgggtgtcaag 60
ccagtttgtg attgcctcta tgatgttagc tcttgaacaa tggagaactt attaggtggt 120
tttgccttat gacaaacat 139

<210> 14997
<211> 94
<212> DNA

004220" 666T560

<213> Homo sapiens

<400> 14997
aagactggtg ggtctatctt tcggtctttc ctaattttcc cgtcctctgg ggaaaggctg 60
gggatacctg aaccaaagtg tgtgtgtgtg gggg 94

<210> 14998

<211> 91

<212> DNA

<213> Homo sapiens

<400> 14998
ctccgaggtt ctggcggccg gcagtggcga cgggcgcagg gaatcgcgca gggttgcggc 60
tgaggtcaga ccagsgasag mcagagacmc a 91

<210> 14999

<211> 109

<212> DNA

<213> Homo sapiens

<400> 14999
cattttgatt tatttggtca gttggttatt tgtgtcactt aagttccaaa atttgagat 60
tttctagatt tttttggtta taatttaatt cacttataga cagagacga 109

<210> 15000

<211> 73

<212> DNA

<213> Homo sapiens

<400> 15000
tactttctct ttaactcatat ctaattgatt tatattgcct gattgcattg gttaatatgt 60
ctagtacagt gtt 73

<210> 15001

<211> 123

<212> DNA

<213> Homo sapiens

<400> 15001
tgtgtgtgtg tgtgtgttac gggattgggg gagtaggcag tctgtgtgtg tgtatgtgtg 60
ttatgggatt gggggagtag gcagtctgtg tgtgtgttac gggattgggg gagtaggcag 120
tct 123

<210> 15002

<211> 102

<212> DNA

<213> Homo sapiens

<400> 15002
ggggagattt tatggggctc tcggactgct ttctattttt ggatggggtg aaagaatttg 60
ttacttttag ccactagaat gaacttagtt ttaggcagca cc 102

<210> 15003

<211> 88

<212> DNA
<213> Homo sapiens

<400> 15003
gaaagtaatt cattcatctt agaaccctgg tagggacatt ctactaaaat atttgtgtac 60
tagttaaagt caaaatagaa atacagcc 88

<210> 15004
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15004
ggatgtagcc acacggagcc ggtatgtgag gctgggtggac agtgtgaaag agaatgcagg 60
caaccg 66

<210> 15005
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15005
ttttcaccta attacacttt tgatttaaaa tgtgtaattc tctttcagaa tcaatataat 60
ctagcaacag ccc 73

<210> 15006
<211> 227
<212> DNA
<213> Homo sapiens

<400> 15006
taattgaagg gattacctag aatatttttaa cttaaaatgt tttgtgctat tttgttttaa 60
aaagcagagg accgcccac agagcttatg gctgattttc ttacaaggct acttctgtct 120
ccttcccttt taagtgcagg acatttacta agtacttcct ctgcccagct ctcccaggaa 180
cgtgcacaat gaatacacia ttatacctcc agctatgaca cctcctc 227

<210> 15007
<211> 355
<212> DNA
<213> Homo sapiens

<400> 15007
agagctgcta cccactgccc cccatcctgg cctgcaaatt tggagggctg ggctgagtgg 60
ggacagaggg gctcttgagc ctcagagcat gaggttccca acagatgtct tcttgactac 120
tctcttctaa aggcacagt aggggttttt ttcttcctgt acagccttcg atctggctct 180
gacatccaag actacttcct cactggctat gtctggagt ctgtcacccc tagcccagag 240
cacctcgggg atgaggtcaa cctgaagggt actgtgttgt gtgacaggct tcaagaggca 300
ctcactttca ccygcaactg ttctccact gtagacttgc ttatctacca gacct 355

<210> 15008
<211> 150
<212> DNA
<213> Homo sapiens

004220" 666E1560

<400> 15008
 taatagtcca agtaatacct ggatgtggca caaatcatgt ggtgattcat gaatgaccaa 60
 aatctaggaa atgctgcctt agaaacagct tctgtttgac ggtccatat gtttgcaaga 120
 ctggccacat cttcagcaaa actaaccat 150

<210> 15009
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 15009
 tggaaaacaa aaaaaggcag gggttgcaat cctagtctct gataaaacag actttaaatc 60
 aacaaagatc aaaagagaca aagaaggcca ttacataatg gtaaagggat caattcaaca 120
 agaagagcc 129

<210> 15010
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 15010
 ccattgaact tagggacaag aaacagctga gaggggtctga ggaagggtgat gtgtacctag 60
 gactgaggac ggatcgagcc atagcactcc agcctgggtg acagagcaag actccgtctc 120
 aaaacaaaac aaaacaaaac aaaacaaaac aaaacaataa aatttaccac ccctaccagt 180
 cccacctata ctccatatgc cccacatgtt ttgtgagcca gtttcaacca tgta 234

<210> 15011
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 15011
 atttggtgag cattgaactg agagagaagc actgtctggc cgctgacctt agtcataccc 60
 ccagattagc ttgtttgagg cagagcttgg caaa 94

<210> 15012
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 15012
 agctgattca tagccccggc ccggggccgc tctgcacgtc cgccccggag cccgcacccg 60
 ctccccgatg ccgctgaaag aaaaatttta cacagtcact gtacatcaag gttgaaaaac 120
 tgtcctgcat gaaaaatata cttagaaatc atgtgaagga attaagactg acataccagg 180
 t 181

<210> 15013
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 15013
 atttgtagct ccaacaaatg aatctaaaaa gaagaatcca ggctgggcac ggtggctcat 60
 gcctgtaatc ccagaacttg gggaggccaa ggcgggcgga tcatgaggcc aggagcaaga 120

145

ccagcctggc taacataggg agatc

<210> 15014
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15014
 aagccgggts ttcgcagcss agctcgaggc tctgtagcac ccagttggac ccagtcgccc 60
 tt 62

<210> 15015
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 15015
 tctctcggcc ttagcgccat tttwttgggt gagtgttttt tggttcctgc gttgggcatt 60
 ccgtgtactt tctcccgta aatgtaggaa ataaagccat cggtttccac agtgaacacg 120
 cagtttagct tggggataac tttcaggcgg tcttctttgg tgataatttt gaatatgtgg 180
 ttgcctcctg ctcgtaatc ctgtggtctc ctcagtctat ggtgttttgt gtttcaaaga 240
 aaccaaattg ttgaccatat aagcatctgt aaaacatttc tagtttggca taatatctgg 300
 aaaaaataga aggcaac 317

<210> 15016
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 15016
 agagtttctc aagaagccga gagagggaca gaggctgagc ctggggggga a 51

<210> 15017
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 15017
 ctctttctcg actccatctt cgcggtagct gggaccgccg ttcagtcgcc aatatgcagc 60
 ctccaacgtc aaagggcgaa aaaccgtcta tcagggcgat ggcccactac 110

<210> 15018
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 15018
 ccaggatttg tccatacaga aaatgtgtgc gctcccagct aaatctcagt taaggaggtt 60
 gttctatata cagccaagta gcac 84

<210> 15019
 <211> 227
 <212> DNA
 <213> Homo sapiens

004220" 556T560

<400> 15019
 atttcaagta ggtcatatatt cgggggaggg tgcgcagaca aggagatgag ttccactaa 60
 ggccaggggg cctccaacgg ggttgagggt gagaatccca ggtagggtag aggtgccgag 120
 atcctttcga atcccagccc tggggcgctca gcytgcaggg aatggcagag acactctccg 180
 gactgagggg accgaggcca gtcaccaagc cccttccggg cgcgcgt 227

<210> 15020
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 15020
 acaggcctca attgaaaaat cacagtaggg aatttaggcc aaggaaagcc atcaagttgc 60
 aattatttcc taaattttct ttggaaaatt tcatttcaaa taccaaaacc atcctaa 117

<210> 15021
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 15021
 aagtaagcct gccagacgcc tgcgcgcctg tagtcccagc tactcgggag gctgtggtag 60
 gagaatcgct tgaaccggg aggtggagggt tgcagtgagc tgagattgca cactccact 120
 ccagcctggc aacagaacga cactccaccc 150

<210> 15022
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 15022
 agaagagaga gaaggaactg ggggcagtgg ctacacactg taatcccagc actttgggag 60
 gcggaggcgg gaggatcact tgcacccagg agttcgatac cagcttgga 109

<210> 15023
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 15023
 caactctttt ccttttctct ttctgttgta cctctcattt ccccgaccct tctgtcctg 60
 tagatggcat ttcataattc acattgataa taattgctag aatttatagg catttattgt 120
 agattaagta gagcat 136

<210> 15024
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 15024
 gaatgaggta ctgagggcca aggtgttgga agttcctaatt tctttcctcg gttaactgtg 60
 aaactctgcg tattgggaag gcctggcctc agtcatcagg ccaggagagg tactggacgc 120
 cgctgc 126

004220" 666F560

<210> 15025
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 15025
 aacaaaatag atagactgct agacagacta cttagaaga aaagagaaa gaatcaaata 60
 gacacaataa aaaatgataa aggggatatc actactgac ccacagaagt acaaactacc 120
 atcagagaat actatagaca tcc 143

<210> 15026
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 15026
 ctccagctcc taacctcgag tgatccgcca gcctcgacct cccgaggtgc cgggattgca 60
 gacggagytc cttcactcag tgctcaatgg tgcccaggct ggagtgcagt ggcgtgatct 120
 cggctcgcta caacctccac ctcccagc 148

<210> 15027
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 15027
 ttctatttca agatgccagt cttactcaa atgtcatctc agagaggctt tctctggcca 60
 ccccaggtaa aagggtgtgt tgttttcttt cacctgccat aaag 104

<210> 15028
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15028
 aagtttttgc aacggctaag gaaggcctg tgggtttatt ataaggcgga ctgg 54

<210> 15029
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 15029
 agaagagaga gaagaactgg gggcagtggc tcacacctgt aatcccagca ctttgggagg 60
 cggaggcggg aggatcactt gcacccagga gtgcgatacc agcttgga 108

<210> 15030
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15030
 atcggcggct cgcggtcact ggtccctggc tcggttcccc gcaccccgga gctcacactt 60

64

accc

<210> 15031
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 15031
 tacttttgca gctgtaagag atgctctttt aaaaatttca aagtagccta agagattgca 60
 gtgtctctaa actgcagaag gaatgctgga ttttctatat agaggacatt gataatggaa 120
 tggtaaggg gactc 135

<210> 15032
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 15032
 tcagttctgc ggtgccaggg agtggagcag agctcagccc cgtcccaaac acagatggga 60
 ccatgaactc cggacaca 78

<210> 15033
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 15033
 ttttctccag ccggcccggg gcggtggccg caagttgggc ttacagcgcg gccgatccgg 60
 cgtggaccgc ggatggctgg accgggcagc acggggaggc aca 103

<210> 15034
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 15034
 agttagtgt gggaaacagt gctaagaagg atacagtggc tagaagtcgt cctgtcgtcc 60
 tgcctcacag taacatcgtt accgaattct cagcaggta accaaatgaa atggtaact 120
 gaaagccaac caggcaaaaa atcaccatgt accaacc 157

<210> 15035
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 15035
 gttgtgtgcc ggccggggga ggccggaggtc gctcgtcgc tcgctcggct cgctgactcg 60
 ccggaa 66

<210> 15036
 <211> 129
 <212> DNA
 <213> Homo sapiens

004220" 66667560

<400> 15036
ttagcagcaa gaattgaaga cttaagggtt tgagcagatg gttttctacc taaattgaat 60
aattcaatta cgtattctca actagcatgg atttgggtca tggaattaaa gtagaaacgt 120
atccggcct 129

<210> 15037
<211> 80
<212> DNA
<213> Homo sapiens

<400> 15037
agcattttta tgcccactag tgtggaaggt aaaaaatata tgcaagtatt aagaataagt 60
tctattctta tagtcccgcc 80

<210> 15038
<211> 159
<212> DNA
<213> Homo sapiens

<400> 15038
aatgtagatc aagctttcca tgaacttgtc cgggttatca ggaaatttca agagcaggaa 60
tgtcctcctt caccagaacc aacacggaaa gaaaaagaca agaaaggctg ccattgtgct 120
attttctaga atcccttcag ttttagctac caacggcaa 159

<210> 15039
<211> 109
<212> DNA
<213> Homo sapiens

<400> 15039
agaaggattt gtataaagag tgactctcct atgaaggtaa aggccacccc tcttcagttc 60
cagtgactga gatacathtt tccaatcctg ggggcaaata cagaccaca 109

<210> 15040
<211> 68
<212> DNA
<213> Homo sapiens

<400> 15040
aaggaacgca gttctcacca gcaacggaac aaagctggac ggagaatgac tttgacgagc 60
tgagagaa 68

<210> 15041
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15041
actctcactc tcttccgctc aaactcagct cacttgagag tctcctcccg cca 53

<210> 15042
<211> 123
<212> DNA
<213> Homo sapiens

004220"666E7560

<400> 15042
gtctttcatg agggatccac tcctttgacc caaacacctc tcacgaggcc ccattcttcaa 60
cattgggagt gagatttcaa catgagtwtt gaaggggaca aatattcaaa ctgtatcagc 120
cca 123

<210> 15043
<211> 115
<212> DNA
<213> Homo sapiens

<400> 15043
aagtactcct ttcacgtca ctggccagaa tctgaatrtg tctcctcttt cccagatct 60
gttctcctg ggaagatgca gaggctcatg atgctcctcc bacatgggc acctc 115

<210> 15044
<211> 128
<212> DNA
<213> Homo sapiens

<400> 15044
acatatgaag tacttttgtt tcttcttttg acatagggtc ttgctctgtt gccaggctg 60
gagtgcagta gcacaatcat ggctcactgc aacctctgcc tcttggggcc aggtgatcat 120
cccaccca 128

<210> 15045
<211> 54
<212> DNA
<213> Homo sapiens

<400> 15045
agaccgccga ggctgccgcc ggagtcgcc cgcgcgcgcc ctgcccacc cgca 54

<210> 15046
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15046
aaaaagagga cctgatgacc agctgcagag agcagctacg gttgtcagga gttcgagacc 60
tgctgacct 70

<210> 15047
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15047
ggtgggagcg gcattgtggg gcagggaaaa ggtgagccga gccgacggaa 50

<210> 15048
<211> 82
<212> DNA
<213> Homo sapiens

<400> 15048
 cttacaacca tcaattccac tcatccacag aacgttttta ccttgcaaaa ctgaaactct 60
 gtgctgttaa acagtaacgg cc 82

<210> 15049
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 15049
 cttcaggaat ctgtcaagtt cttccacaaa acatacatat gcttagtagt ttaatttgaa 60
 cacagaatct ttttaattaaa atatacttta actttttccc cagggaacat ttgtattttg 120
 catatttggt tatgtattta ttcatttggt gtactgaatt acctgcaaaa t 171

<210> 15050
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 15050
 ttagttatgc aaggaagatc cctgacctct actcatatat actcacttgt ccaaattgact 60
 agaaaaaaca ctctacagcc ttcttggtgt ttcactcgct tgaaaaataaa ggaacttctc 120
 tattttccca gggaa 135

<210> 15051
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 15051
 aaggaacgca gttctcacca gcaacggaac aaagctggac ggagaatgac tttgacgarc 60
 tgagagaa 68

<210> 15052
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 15052
 agtggcaagc gcgggcagga ccgcgttgcg tcatcggggc gcgcgcctca gagagagctg 60
 tggttgccg aagttgagcg gcggcaca 88

<210> 15053
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 15053
 acagtycact tccgtcctcc acctgctgt ctgcttggca cttgctggct aaagtaaagt 60
 acaaatgtgt ttcataaac tacctaaatc t 91

<210> 15054
 <211> 103

<212> DNA
<213> Homo sapiens

<400> 15054
tttaggatta ttggaaccc caaaattctg ttccatataa catggtcaag ttgggtttca 60
aaaaagtttt aggactggtc ttcctcaaag agctcagcag acc 103

<210> 15055
<211> 123
<212> DNA
<213> Homo sapiens

<400> 15055
gtctttcatg agggatccac tcctttgacc caaacacctc tcacgaggcc ccatcttcaa 60
cattgggagt gagatttcaa catgagtttt gaaggggaca aatattcaaa ctgtatcagc 120
cca 123

<210> 15056
<211> 160
<212> DNA
<213> Homo sapiens

<400> 15056
actcggcgcg ttttgcatga agatggcggc tcccaccgcc aacaaggcag cctccctggg 60
ctgtaacaac aagcctgcgt tcccggagct ggatttcagg tcgggagctc ggggtggagga 120
attgaacaaa ctcatccaag aatttacgaa gcacgactaa 160

<210> 15057
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15057
ctcgctgggt cgctcgggtc ggcttcgggtc gctaccgctc ccgctctgcc acccccgcc 58

<210> 15058
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15058
agaccagagt ggggactcat ggtgcctctt tcgaccctcc catggccgcc catgaaccag 60
tcggct 66

<210> 15059
<211> 126
<212> DNA
<213> Homo sapiens

<400> 15059
tataataaaa agccccattg gagtgaggcg ggggtggcg cggaaccgc ggcgggggta 60
tccggggaga ctgctgctgt cgctgctgct gatcgcggcc caggtcggcc tcagagagcg 120
gacacc 126

<210> 15060
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 15060
 attcatccat tcactcattc attcattcat ctacgcattc atttatgcat ccatttccttt 60
 gttccattta tccattcatt catccatcca tccatccatc cattccctca ctact 116

<210> 15061
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15061
 aaaagaggac ctgatgacca gctgcagaga gcagctacgg ttgtcaggag ttcgagacct 60
 gcctgacct 69

<210> 15062
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15062
 tgatgacagt gcaatctagg aaaaactaac gtacacacac acacacacac actc 54

<210> 15063
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 15063
 aaactttatg tctctcaaga acccataaaa gatttcacaa aatatcttca ctgcgattcc 60
 tatactttgg atggatggat ggatggacag acagacagag ccct 104

<210> 15064
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 15064
 tatttaactc catgtattta atatatatta tatctgcagg taatcaatat aaaatgctat 60
 cagtattttt tacatctttt ttcatatga agtttttgaa attcagtga tattgtatac 120
 ttacagcaca tatcagttca cactagctgt ttttcaagtg ctcattagcc atatgtcact 180
 agtggctgca cactggacat agcaaggtta gaatctggga aagtagaggg gaaggtcaag 240
 tacaggggaa a 251

<210> 15065
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 15065
 ccctccaaga agctggccgc ctctgtgctg gatgccctcg atccccggg cccacgctg 60

004220" 6665T560

72

gacccccggg ac

<210> 15066
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 15066
 atttatgcac ccaatacagg agcaccagat cataaaacaa gtttgtaaag accgta 56

<210> 15067
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 15067
 tactttaata tttttactta ataatttttg tagtgtttta tagttttaca gtgattttgt 60
 atattacctc ttcaggtaaa atataagctt tatgaaaaga gtgatcatat ctctctatgt 120
 acttaatctc tttatatctt tactcaatag gga 153

<210> 15068
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 15068
 ccttgctgat ttttaaataat tttgtagaga tgagagtctt aatatgttgc ccaggctgat 60
 ctcaaactcc tggcctcagc aatccttccc ccttgacctt ccctctcctt tttttttttt 120
 ttttttt 127

<210> 15069
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 15069
 aaggaacgca ttcttcacca gcaacggaac aaagctggac ggagaatgac tttgacgagc 60
 tgagagaa 68

<210> 15070
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 15070
 ctatcactaa tggccacctt atttactaac tccttcaggc cacacacctc ccagctaat 59

<210> 15071
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 15071
 tcttctctgc gtcgcaggcc ggcccggcgg ccgtgacaat gtcgcggggc tggtagcagg 60

gcgccggccg ccgagccgtc tcaagtttaa acttacacga atcgctttct ggaggaggag 120
 gggacccgct gcgcgattga cacaggc 147

<210> 15072
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 15072 60
 aaaaacctgc tgcgggaggc ggcggcgacc ggccaggagc cgaggaggga gagttcactt 115
 ttacttcagt gtcagcgcg gcgggccgtg gctggctctg gcgagagagc accgt

<210> 15073
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 15073 60
 agattgaggt aagaagcctt ccagacacag cccaacaatg cagcaaagcc caatgcttga 120
 ctaactgggg cacacaggga aactgcaaa gtttggtttg gatcctagag tggaaaaggg 126
 aaccaa

<210> 15074
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 15074 60
 gaactagacc agaagccatt ccttatcagg tgactctgga agggaagcca tatttgatga 120
 aatccagaag aaatcctgga ccataatgct acattttttc tttttttgta atgggatgca 121
 t

<210> 15075
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 15075 60
 ctccagctcc taacctcgag tgatccgcca gcctcgccct cccgaggtgc cgggattgca 120
 gacggagtct ccttcactca gtgctcaatg gtgccaggc tggagtgcag tggcgtgatc 149
 tcggctcgct acaacctcca cctcccagc

<210> 15076
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 15076 60
 agaatttaat ggaaaacctg actccctctt ttttaatgat ggccagcgaa gaattgactt 120
 tgttctagta tatgaggatg aaagcagaaa agagaccaat aaaaagggtg caaatgaaaa 129
 acaaagtga

<210> 15077
 <211> 113

<212> DNA
<213> Homo sapiens

<400> 15077
atTTTgaaag actgtgaaac tggagccaat tctccatcat cacacaggaa gctgagtact 60
tcctacttgg tcaggatctt gaaacttgaa ttcataaaaa cccagaaaagc ccc 113

<210> 15078
<211> 123
<212> DNA
<213> Homo sapiens

<400> 15078
gtctttcatg agggatccac tcctttgacc caaacacctc tcacgaggcc ccatcttcaa 60
cattgggagt gagatttcaa catgagtktt gaaggggaca aatattcaaa ctgtatcagc 120
cca 123

<210> 15079
<211> 122
<212> DNA
<213> Homo sapiens

<400> 15079
atcctgaagg tttgttttt cctattcctc cttagcctgt actcaaggga aacaagcttc 60
cttgtttccc tcctttgtac tccctcagtt ctgtggagtc aagtcacagg agagcagagc 120
at 122

<210> 15080
<211> 123
<212> DNA
<213> Homo sapiens

<400> 15080
gtctttcatg agggatccac tcctttgacc caaacacctc tcacgaggcc ccatcttcaa 60
cakkgggagt gagatttcaa catgagtttt gaaggggaca aatattcaaa ctgtatcagc 120
cca 123

<210> 15081
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15081
atacatcgcc ctacagcaga aagaccgggg acagcccagc ctcagggcga ctttaaacc 60
aaaaggaagt 70

<210> 15082
<211> 184
<212> DNA
<213> Homo sapiens

<400> 15082
atatactcca cgcccggaca caggtttttg catgaacaaa attttcactt ctctgggata 60
catgctcaag agtgcaactg ctgggtctta tggttaattgc atatttagtt ttataagaaa 120

004220"666E560

ctgccggccg ggcgcggtgg cgcgtgcctg tagtcccagc tactcgggag gctgaggtgg 180
gagg 184

<210> 15083
<211> 69
<212> DNA
<213> Homo sapiens

<400> 15083
aatgtgatgg gtttggcact cttcatttct cgggattacg cctgtaatcc cagcacttta 60
ggaggctcg 69

<210> 15084
<211> 214
<212> DNA
<213> Homo sapiens

<400> 15084
agcactttgc tcgggtcacg gcctcctcct ggctcccagg accccaccgt agaccgcgca 60
actacaacca gtkcaaagag gaaaaacagg aaaaataaaa ttactccaga waacgttcaa 120
attatatttg atgatccact ascaatttca tacagtcagc cagagaaggt gaatggagag 180
tccaagagca gcagtaccag cgagaatggg gaca 214

<210> 15085
<211> 80
<212> DNA
<213> Homo sapiens

<400> 15085
agagataaac agaggaggag gagggagggg agtgcggtgtg tgagagcgcg cgagggagtg 60
tgagtgtgtg tgagcgcgca 80

<210> 15086
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15086
gactgtaccg aatttttttt catatttctt tctaaggtat tcccagctgt atttatccac 60
caag 64

<210> 15087
<211> 93
<212> DNA
<213> Homo sapiens

<400> 15087
ccagggcctg cccaaggaga tggacattcc ttacctccca ttgctcgccg cctggggccac 60
caccctccac agtcctaaa tgttggcaaa ccg 93

<210> 15088
<211> 86
<212> DNA
<213> Homo sapiens

004220"666E560

<400> 15088
acgggtggct ggggtggctgg ctggatggac gagtggatgg atggatgaat ggatagatgg 60
gtatataaat ggatgatgga aggaaa 86

<210> 15089
<211> 81
<212> DNA
<213> Homo sapiens

<400> 15089
agagataaac agaggaggag gagggagggg agtccgtggt gtaagascgc gcgagggagt 60
gtragtrtgt gtaascgcgc a 81

<210> 15090
<211> 67
<212> DNA
<213> Homo sapiens

<400> 15090
ataagtggac agcctgtcc aagggaagga tcaggagaga agaaacgcaa atcccagaac 60
cgacgcc 67

<210> 15091
<211> 57
<212> DNA
<213> Homo sapiens

<400> 15091
agattaacat ttggtgtgtc agacaagaag agtggtgtaa aaaggtcaga ggggtatt 57

<210> 15092
<211> 59
<212> DNA
<213> Homo sapiens

<400> 15092
taagctggag gtggacaact caatgtaaat ttcattggaa aacccttgta cctgaagcc 59

<210> 15093
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15093
ccaaagtgtc gggattatag gcatggagcc gccacacca gccaatgtgc cgaagt 56

<210> 15094
<211> 296
<212> DNA
<213> Homo sapiens

<400> 15094
ggcgaggaga gcaaaggaga gggaagctgg aagcaccttt ggcccgggac agaaatctgg 60

agagcttggc tacctccatc ctctcaggc cggagcaggc ttcttgagag agtccaggtc 120
 gtaggagttt tacgacttag aaaagcgggc tgcagattcc ttctgggtg tttggttcaa 180
 gccttggctc cactcactc tcagtcttcc cgggagttcg tgggatttgg accttagatt 240
 attagtatta ttttgagggc ctctgtgtg taagcactgg ttgtgcgcag atggct 296

<210> 15095
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 15095
 aattcgcacg agtagtgggt cgtcttgttt ctagcaaaac aggtggcagc agccttatca 60
 cactcacaca gttgactatc tgaatcattt ttaagtatac attcagtagt gttaagtatg 120
 tcgccattgt tgtacaacca aa 142

<210> 15096
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 15096
 agaaaaccagg cggcgcggtc cgggtggcgg cgcttgact cccgggcccg cgcattccgcc 60
 agccttcctt aaggcggatg ggtggccccc gagaccccg cggacccatg gttccagtg 120
 cagc 124

<210> 15097
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 15097
 atatccctg tgacctgcag gtacacatcc agatggcccg ttctgcctt aactgacgac 60
 attccaccac aaaagaagtg aaaatgacac tgcaa 95

<210> 15098
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 15098
 tcataatagc caaaaggtga aaacaatcta aatatccatc aacagaaaga tggataaaca 60
 aagtggcatg tcaatacaat gcatttttgg aagggaa 97

<210> 15099
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 15099
 gtctttcatg agggatccac tcctttgacc caaacacctc tcacgaggcc ccatcttcaa 60
 cattgggagt gagatttcaa catgagntt gaaggggaca aatattcaaa ctgtatcagc 120
 cca 123

<210> 15100

<211> 97
<212> DNA
<213> Homo sapiens

<400> 15100
agttctcact cttatttcat gagagagcgg gttgtttaaa agatcccggc acctcctcct 60
ctttctcttg gttgctctca ccatgtgata caccggc 97

<210> 15101
<211> 83
<212> DNA
<213> Homo sapiens

<400> 15101
cttacaacca tcacttccac tcatccacag aacgtttttt accttgcaaa actgaaactc 60
tgtgctgtta aacagtaacg gcc 83

<210> 15102
<211> 79
<212> DNA
<213> Homo sapiens

<400> 15102
gtgtcttctg catctcctag gaacctcggg agcgggcastc ggcgcttggt agcgagaggc 60
gggttccgga gatcccggc 79

<210> 15103
<211> 57
<212> DNA
<213> Homo sapiens

<400> 15103
atztatgcac ccaatacagg agcaccagat tcataaaaca agtttgtaaa gaccgta 57

<210> 15104
<211> 60
<212> DNA
<213> Homo sapiens

<400> 15104
taggtgacag atcgagactc catcacacac acacaaaaag agtaataact cagtgcccc 60

<210> 15105
<211> 111
<212> DNA
<213> Homo sapiens

<400> 15105
tataagtaata atggaattgt gatcttcagt tgcacctcaa ccattttttt tgcttatgaa 60
ctaaaatttc taacattaac atttcggcat gtaataaaaac aagggcctat c 111

<210> 15106
<211> 52
<212> DNA

<213> Homo sapiens

<400> 15106
atatgtttcc tgattacctc ttgctaataa atctattcta tctcagggtg aa 52

<210> 15107
<211> 68
<212> DNA
<213> Homo sapiens

<400> 15107
ggggtcagga gttcgagacc agcctggaca atatggtgaa accccgtctc tgctaaaaat 60
acaaaaat 68

<210> 15108
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15108
tgaggtcggg agttcaagac cagcctgaca aacatggaga aacccccggc cat 53

<210> 15109
<211> 124
<212> DNA
<213> Homo sapiens

<400> 15109
aacactaarg gwtttctgtc ttcttgatg accattacag ttggtgaggc ttcagggtccc 60
tggggatctg ccatattaca gtggctataa atgagatttc tytwtctttt ttcagcagca 120
akwc 124

<210> 15110
<211> 164
<212> DNA
<213> Homo sapiens

<400> 15110
gagtgcgaaat gatttcagca aaccctaact taactaacia gaatgggtag gtatgtctac 60
gtttcattaa caaatttkta ttatttkkat tctattatat gagatccttt tatattatca 120
tctcactttt aaacaaaatt aactggaaaa atattacatg gaac 164

<210> 15111
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15111
tatttgaatt gaatttatat tttttttggt cccttatttt aaaataccca agc 53

<210> 15112
<211> 82
<212> DNA
<213> Homo sapiens

```
<400> 15112
aatgaaatac atgaatgttc tgtattccag taaaaggaca gaaatgcaa tccccagggc 60
tcagccagcc ttttacagca gc 82
```

```
<210> 15113
<211> 70
<212> DNA
<213> Homo sapiens
```

```
<210> 15114
<211> 140
<212> DNA
<213> Homo sapiens
```

```
<210> 15115
<211> 63
<212> DNA
<213> Homo sapiens
```

```
<210> 15116
<211> 73
<212> DNA
<213> Homo sapiens
```

```
<210> 15117
<211> 70
<212> DNA
<213> Homo sapiens
```

<210> 15118
<211> 100
<212> DNA

[illegible]

```
<210> 15119
<211> 113
<212> DNA
<213> Homo sapiens
```

```
<210> 15120
<211> 104
<212> DNA
<213> Homo sapiens
```

```
<210> 15121
<211> 121
<212> DNA
<213> Homo sapiens
```

```
<210> 15122
<211> 115
<212> DNA
<213> Homo sapiens
```

```
<210> 15123
<211> 203
<212> DNA
<213> Homo sapiens
```

5728

<210> 15124
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 15124
 atatgaatat ctttaaccgt agatgatatc cagaagtttc caagactgcc t 51

<210> 15125
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 15125
 tgcttttagaa ataactacat agcctagaat tttggagagt tagtttcttc ttgtaaagtg 60
 tgcccaaac aggccatcta tgctgttgaa ttaatagacc atccttgga tagtggtata 120
 gtaactggaa gagaactaac tttggcttat tcatattctg ttcaaagaca gtctatTTTT 180
 tcaactgtaga aagcgtcctt gtgt 204

<210> 15126
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15126
 aaatgatcat tggaattcag aaagccttgc atgattaagt cgacottatc acaaattctt 60
 gctatctggg gca 73

<210> 15127
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15127
 atttaaaaac atttgaatta aaaattgcc tctctctttg catacagtaa aacaataact 60
 tctggcaaa 69

<210> 15128
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 15128
 aatctcaata ccgatatcgc ccggacgcct ctcccccggc cctcgggggt gtgaacgtgt 60
 gtgagcggga gcraaggcac cgc 83

<210> 15129
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 15129
 cagaaaaatg tcaggaatgg aggaatggtt ttggcaaaga gcattcgcaa atataatcat 60
 gtgaatgtct tgagaattga atgggcttga ggtatgcaga aaatatggaa aactactgag 120

004220"023400

agtggggcac aatatgtgac acccagcatg gtaagtgggtg ct

162

<210> 15130
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15130
tggccataat tcaggccagc actgtgctgt ccctggcaga gaagtggatc cagcagattg 60
a 61

<210> 15131
<211> 183
<212> DNA
<213> Homo sapiens

<400> 15131
cttaattctg aagtgggttc taatatctca cctggaacaa taactaacta ctatgtcccg 60
cgctaggtgc tgtagcctct ccattcagag cactgctccc cgtcaagggtg ccatgagccc 120
caaaatcttt taccattttt tgtttgcaac tttggacctc aagaggtttc ccttcccttc 180
ctc 183

<210> 15132
<211> 51
<212> DNA
<213> Homo sapiens

<400> 15132
atttaacaaa ttgaagaata ccatcagcaa gttttttgac tccaaggac c 51

<210> 15133
<211> 55
<212> DNA
<213> Homo sapiens

<400> 15133
agtggggggt ccagacgagg ctcaagtgtga tctccaacat ggacagtggc gcgcc 55

<210> 15134
<211> 99
<212> DNA
<213> Homo sapiens

<400> 15134
atgaagagtc cagaggacac cacctgagaa gcttttcaac tgcccttcaa ggctcccttg 60
aacttcactg cggtagagca gggaccccag acctcccca 99

<210> 15135
<211> 71
<212> DNA
<213> Homo sapiens

<400> 15135
caccagagta gctgggactg cgggtgcgcg ccaccatgcc cggctagttt tttaaatttt 60

004220" 666E7560

tttgtggaga c

71

<210> 15136
<211> 241
<212> DNA
<213> Homo sapiens

<400> 15136
ctgcagggct ttgggtgagg attaaaggag tgaacataaa gcacctttct cagtggctgc 60
acatggtagg tactcagtaa atggcatgtc ccacaccttg gaagctattt tagaaccttg 120
atccttatta aggggtgtca gaagcccaag ctcgaagccc ctggggttga ggcgtctttg 180
ggattctgcc ccctgtatgt ggggagagca gaagctaaa gggaaaggga gttacagagc 240
c 241

<210> 15137
<211> 91
<212> DNA
<213> Homo sapiens

<400> 15137
tttgcttgaa ccagatttta agtccagcac ttcaagtgga gagtctacaa accagtcagc 60
aggagaattt tctgcagatc atagagcatc a 91

<210> 15138
<211> 208
<212> DNA
<213> Homo sapiens

<400> 15138
ttcttgggag gctgaggcag gagaatcact tgaactcggg aggcaggggt tgcagtgagc 60
cgagatggca ccaactgcact ccaggctggc caacagaggg aggtccgctc tcataaataa 120
ataaaatagg ttacttttagt tgggtgtggc tcatgcctgt ggtcccacca ctttgggagg 180
ccgaggcagg tgaatcaccc gggtcagg 208

<210> 15139
<211> 78
<212> DNA
<213> Homo sapiens

<400> 15139
aaatgagacg tcgccttttag ctggcttagg agttcgcaca ctaaggggag aagatattta 60
attgaaaccc gcacgcgg 78

<210> 15140
<211> 126
<212> DNA
<213> Homo sapiens

<400> 15140
acactctggc ccggttctcg gtggtgcggg asgggcggga gcagcggccg ctctggctcg 60
cggacgtgct gccgagtagt cccggaagcg arsagcgatg gcggagagtc cgactgagga 120
ggcgcc 126

<210> 15141

<211> 131
<212> DNA
<213> Homo sapiens

<400> 15141
tacttgTTTT ggacaaccca ccatcagatc tgcacatggt tccattactg catgcacaca 60
cacactctct ctctctctct ctgcagcaaa actaacaata aactcatctt gatgtTTTT 120
ccctggcaat a 131

<210> 15142
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15142
cctctcttgg actagaaggc ctactgtcag cccttcgctt acaaactgct gcc 53

<210> 15143
<211> 163
<212> DNA
<213> Homo sapiens

<400> 15143
tggatttcat tgagccaaaa gttagaaatt ttataaatta cagttctgcg atatgattaa 60
aaagtaatac aaaaaacaaa ttataaactg gaattgtgtc aattgagttg acatatttct 120
tgcaagatga ttatatttat ataggaaaat gtttgaaag tct 163

<210> 15144
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15144
tagaaaccac tcgagattat gaagctgggt gggatatattg aatttgaggc cccgggtactg 60
gcattttttt tt 72

<210> 15145
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15145
aactccaagc tgctcaagaa aaagaaaagc ttaaagttga aggtrttttc tcttaacaac 60
catc 64

<210> 15146
<211> 89
<212> DNA
<213> Homo sapiens

<400> 15146
ataaaattgg aacataccta tgatggaggt acgatggaga gggagtaaaa tgtagtctgt 60
ttttaagat tattttaag tcaggtaga 89

004220 "032400

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

2. The second part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

3. The third part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

4. The fourth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

5. The fifth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

6. The sixth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

7. The seventh part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

8. The eighth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

9. The ninth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

10. The tenth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

```
<210> 15148
<211> 247
<212> DNA
<213> Homo sapiens
```

```
<210> 15149
<211> 83
<212> DNA
<213> Homo sapiens
```

```
<210> 15150
<211> 74
<212> DNA
<213> Homo sapiens
```

```
<210> 15151
<211> 63
<212> DNA
<213> Homo sapiens
```

```
<210> 15152
<211> 63
<212> DNA
<213> Homo sapiens
```

5733

cctggtctcc taatctcttt acttgatttc tggatgctcc tgaatcctga ctcagtaagc 60
cca 63

<210> 15153
<211> 98
<212> DNA
<213> Homo sapiens

<400> 15153
attctctata cccctcttga sractttacc ctgttctgat ttttcacctg tgtrtcccc 60
aatctctgat ctgaagggg cctgcctccg ggccakya 98

<210> 15154
<211> 106
<212> DNA
<213> Homo sapiens

<400> 15154
aatttgaaat aaattagtga tttatattgt aagtacatta aatatgatac tatattaatt 60
atattggatt tatttgcac acatgaaatg ttttataggc caatat 106

<210> 15155
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15155
ttaggggcag ggggcctggc ctcttccgcg gccaccgctc agcgcggtcc ctctcctac 60
t 61

<210> 15156
<211> 90
<212> DNA
<213> Homo sapiens

<400> 15156
gctcttagga ggactctgga gaagtagttg tcctgggaga ggagcgatct taatcctgct 60
gcatgacggg aggacaaaat gcgacgctac 90

<210> 15157
<211> 74
<212> DNA
<213> Homo sapiens

<400> 15157
ttttaaaaat ctatgcttgt aatacaggca gtttccaact tgacaaatgt tttatggtct 60
atatgagcaa ccaa 74

<210> 15158
<211> 68
<212> DNA
<213> Homo sapiens

<400> 15158

gctgaaccaa gatggccggt ggcggccggg ccccggcgtg agccaagcgc gggctgcagc 60
cgggataa 68

<210> 15159
<211> 88
<212> DNA
<213> Homo sapiens

<400> 15159 60
tgcttaatga ctttgtgttc ttatttttca gatggaggt aagtttgggg gtgaagttgc 88
taggagtgtc aaaatttgtg atatggaa

<210> 15160
<211> 103
<212> DNA
<213> Homo sapiens

<400> 15160 60
ttttttcttt gagatggagt cttactctgt tgcctaggct ggagtgcagt ggcgcgacct 103
cagctcactg caacctccac ctcccaggtt caagcaatcc tca

<210> 15161
<211> 62
<212> DNA
<213> Homo sapiens

<400> 15161 60
ttagcaatat gattagtcca gagcatgtgt tgcttttttg tttgtttttt tttttttttt 62
tt

<210> 15162
<211> 54
<212> DNA
<213> Homo sapiens

<400> 15162 54
cttttgacag agtttggtc ttgtcaccca ggctggagtg cagtggcgca ctaa

<210> 15163
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15163 60
ataatgtgc taaaccacct gcatagcaga gacactctgc tcctacgatt tcatatgctt 75
tagatacccg gaagg

<210> 15164
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15164 60
acgggtgggg acgctggtcg ctgccggggg caagtctgcc gactccagaa agaaaggcga

61

c

<210> 15165
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15165
 actgcagtgg ggagaattga gaatagtcag gcctatcagt ctcacagaat cccccccct 60
 tagc 64

<210> 15166
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 15166
 agatcgatct aagatggcga ctgtcgaacc ggaaaccacc cctactccta atccccctt 59

<210> 15167
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 15167
 gtcttctgtg ttcggcgtgc tttgctcggg gaagctcagg tggccgccac ggtggggccgc 60
 tggcgctcc caagcctgtg tgtttattac cacagctkga gagtggcttg ckgaacatgg 120
 tgatcgattc tggcacttgt agcataaatt acacgctctt tcatcattga aagagtgtca 180
 aagaaaagaa cattctaacc caattccctt acccaatgat cccctcacc caattcttca 240
 ttggaacaac atatga 256

<210> 15168
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15168
 ttttagtcca aaaatattct taggctcttc aggctattct gttttcaggc tcga 54

<210> 15169
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 15169
 ttttagtcc aaatatagac tctcaattgc ctttaaattg gacttgcaca gttgatagac 60
 cactagctac attaactaag aaaaagagcc aggtgaagtt ggtaccaca atgataacca 120
 agaagawaga cagaattgcc ctgggagct 149

<210> 15170
 <211> 56
 <212> DNA
 <213> Homo sapiens

004220-666EF560

<400> 15170
 gggtgtgcga gtccccctggg cgcggggaag ggaagaagag gacgaggtgg cgcgat 56

<210> 15171
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15171
 agttcacagc taggatcttt agagaagttt aagaggcaat atgggaacag atacgaatac 60
 ccaa 64

<210> 15172
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 15172
 tgagctctta tgaccagcag ccaggtgaga cacaaaagca gctgccagaa aactgtcagc 60
 agagtctgct ctgtcctgag atagaaaaga atcaaaaagt ggtctcatgt tggggagggg 120
 tcgggggtgg ggacgccccg ccttccctgc agcccgggat ggcaaggggc gacgaagagg 180
 cttctggtgc ggtcgggtctc cggggccagt vaccaccagc cgta 224

<210> 15173
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15173
 acttgttttg aagaggggtt tggttttggt tattgwgctt ykkaagtttt ctgatatgcc 60
 ccc 63

<210> 15174
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 15174
 ttgacaagtg agacagacct atttaaacta aagagcttct gtacagcaaa ataaattatc 60
 aacactttta agaaacagtg ccctcatgct tcccttgtgt tgcccagact ggtttcaaac 120
 tcctaggtc aagcagtctt cccacttcag cctctcaaag tgctgtaatt acaggcatga 180
 accaccaac 189

<210> 15175
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 15175
 atagtatata tttgttacac tttgttacac agacacacaa atgcacctat ttataccggg 60
 c 61

<210> 15176
 <211> 96

<212> DNA
<213> Homo sapiens

<400> 15176
aaaaaagggt gaatcctgca gagccagcag tcacccctg atgtatgttt ttcctgactc 60
ttcgtatattt agaacggccc gcagtcaggc gcccga 96

<210> 15177
<211> 122
<212> DNA
<213> Homo sapiens

<400> 15177
caaaagagac aaagaaggcc attacataat ggtaaaggga tcaattcaac aagaagagct 60
aactatccta aatatatatg caccacaatac aggagcacc agattcataa agcaagccct 120
ta 122

<210> 15178
<211> 76
<212> DNA
<213> Homo sapiens

<400> 15178
atttttcctt tgtaggaga tcctacttca gaaaataaga ccgatgaaaa aaaaatagaa 60
gaaaagaagg cccgca 76

<210> 15179
<211> 94
<212> DNA
<213> Homo sapiens

<400> 15179
acttgggatt ttttttctt ttcttccagt gatactttty ctttgtgagc agcaactgag 60
gtgccagata atataggtca cctgaaggac agcc 94

<210> 15180
<211> 62
<212> DNA
<213> Homo sapiens

<400> 15180
gtaggccttc cccacccaga gagaagtgtt tccacccag agacattgcc tgtcagcccc 60
tc 62

<210> 15181
<211> 74
<212> DNA
<213> Homo sapiens

<400> 15181
gatcactcgg ctgctgcgtc gatgaagaac gcagctagct gcgagaatta atgtgaattg 60
caggacacat gacc 74

<210> 15182

<211> 94
<212> DNA
<213> Homo sapiens

<400> 15182
aaaaatcttg gcaaaaaaag aaaaaaattg tctaactgtgt gtgggtgaaa actgtwaatc 60
aagtgtttct actccccccc gaaaatcccc tgct 94

<210> 15183
<211> 116
<212> DNA
<213> Homo sapiens

<400> 15183
atgtgaaaaa agtgggtacta aatggatcgc aaaaaggaca cctctttaca gtataagaac 60
tgaaacaaga taggggaatg tcacttagct caacctcagc taggaacatg tgcac 116

<210> 15184
<211> 97
<212> DNA
<213> Homo sapiens

<400> 15184
tgtttttggg tcaaggtttc cttttggaaa ctttatggag tgctgtttcc tcagccactc 60
ctcagtgttt tcctggtttt gagttttagt actgtct 97

<210> 15185
<211> 242
<212> DNA
<213> Homo sapiens

<400> 15185
ctctgcattc atgatctact tctctctctt tctctgattt ctgctaattt taggacactg 60
ccatatctgt ggagcttttt gtttgttttc tagaggcagg atctcactac cttgcccacg 120
ttgaacttga actcctgggc tcaatcaatc ctcccacttt ggctttccaa gtagctggga 180
ctccaggcac ataccagccc acctgcccga gctagtctta aaatttttag tggagacaga 240
ga 242

<210> 15186
<211> 63
<212> DNA
<213> Homo sapiens

<400> 15186
aaactcctgt atgttcagggt tcagtcaccg acaagccctt gagccagggt aactcaggaa 60
gga 63

<210> 15187
<211> 65
<212> DNA
<213> Homo sapiens

<400> 15187
tagcagctca tcacatgatg cgtaacttga cagctggaat ggctatgatt acatgcaggg 60

004220" 066E7560

aagcc

65

<210> 15188
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 15188
 ttaatggata tttatgtaat aactagactt ctcagattat tgtgagaagg gtcagggttg 60
 aaggggtgta ggaagagggg ta 82

<210> 15189
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 15189
 tgtcagcata gtttgcaaaa cttttctccc attatgtagg ttatctgttt agtctgttga 60
 taatttctgt ggcca 75

<210> 15190
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 15190
 gtaataatcc tgggtggggt cacagcactg cgtggcagga gcggasdggn cctcgtaggc 60
 gttccagggtg ttccctgagc cggattaaat gcctctgcgc tgtgggggtg gggaaa 116

<210> 15191
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 15191
 atacaagaag accgcaatat tgaccatgaa tgtgatcatc caacattcat ctagacagca 60
 taaaagggga 70

<210> 15192
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 15192
 ttatttggtc tattgatggt agaccttgcg tgatgcttct ctatatctct attgaaatct 60
 tctgaaagt acagaatggt cccattaaaa acaatttact gccactttgc ttcaagacgc 120
 tggacc 126

<210> 15193
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 15193

aacccttggt atcacagatc ctacgcgaat tatattggcc ccaattaatg ccgatatcaa 60
c 61

<210> 15194
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15194 60
attgaactcg cctgcagctc ttgggttttt tgtggcttcc ttcgttattg gagccaggcc 70
tacaccgcaa

<210> 15195
<211> 109
<212> DNA
<213> Homo sapiens

<400> 15195 60
tttattttcc agcaggctgg gtgcggtggc tcatgcctgt aatctcggca ctttgggagg 109
ccgaggcggg cggatcgcca ggtcgggagt tcgaggccgg cctggccgt

<210> 15196
<211> 80
<212> DNA
<213> Homo sapiens

<400> 15196 60
gccttctttg tgagcatcgt tgcgtccag tgggccgac tgatcatctg caagaccgg 80
aggaaactcg tcttccagca

<210> 15197
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15197 56
gaaacttaaa agagaaataa taatagttat atattacagt actcccagat agccaa

<210> 15198
<211> 84
<212> DNA
<213> Homo sapiens

<400> 15198 60
gcagtcattc agggagtcct gaacagaggc cgattggtgt tctgcttgg gaggatctgt 84
gggaatcggc aggagaatga gtcc

<210> 15199
<211> 109
<212> DNA
<213> Homo sapiens

<400> 15199 60
accagcccc gggagccgtg cgmggccaac aatgaggagc agaatgcaag gggcggcctc

109

gtccccctgg ccaccgcggg ggtcgcggcc tcccattaca tagcacgag

<210> 15200
<211> 189
<212> DNA
<213> Homo sapiens

<400> 15200
tacttaacat tgtgttaca tggcctccaa tatcagtaca gtaacatgct gtctaggttt 60
acagcctagg tgtgtagtag gctatagcat ctaggtttgt gacgtacact ctgcgatgtt 120
cactcgtga aattgcctaa tgaaacattt cttagaacat atttctgtcc ttaagtgatg 180
cgtgactgt 189

<210> 15201
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15201
cttttggtga ggcacatgta tcgaatttat ggattacagt tattgatgga ggacggaa 58

<210> 15202
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15202
ggggagagct cagccagccc tgcagggcga gcagtccagc cttgtgttca ccggctca 58

<210> 15203
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15203
aattgtgttc gcagccgccg ccgcgccgcc gtcgtctctcc aacgccaaca 50

<210> 15204
<211> 82
<212> DNA
<213> Homo sapiens

<400> 15204
ttggagcaaa agttcacgat gtgagttctcc acatgctgct ctgtccgtct cagtgaagac 60
tgcaagttag tctgcctcc at 82

<210> 15205
<211> 76
<212> DNA
<213> Homo sapiens

<400> 15205
agagagaaag ggagccaggc agagagagag agggacttct gtaaggcggc acgaccacac 60
caaataacag cagcta 76

001220-16667560

<210> 15206
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 15206
 gttggctggg tgtggtggtg tgtgcctgta gtcccagcta ctagggaggc tgargcarga 60

<210> 15207
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 15207
 taagacacac acacacacac acacacacac acacacacac gtatatatga gcatttagta 60
 tcaagcttat tcttttatca cggtcacag caatactttt aagtatctgc gtcagtctag 120
 tattatattt acggggcttt ggaggagatg agagatgggtg gtcctttcgc ttcagcctta 180
 cctcggttga caaaatgctt ccgttggaga tgatatcagg ctgctgggtcg gtgtaaccgg 240
 tgacgatggc cggcagctag ctgacacctt gggttcgagt tctttgaggc aagcgccaag 300
 aac 303

<210> 15208
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 15208
 aatttatgtg aaggatataa aatctgtgtc tagattttta atttttgaag tttttttggt 60
 tgtggatgtc cagtttagcac catttctgaa aagacattcc ccaactccat tgaatgcctg 120
 cctg 124

<210> 15209
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 15209
 ctatacttac aatactcaga ttatatagta atacttctga tgaagctaaa aataatttaa 60
 agagaacaaa tgcagaacta taatctoctg ggaggaaaat attattaatt tcattgaaaa 120
 tattaggttt gaagggggat tctcattcct caggaacca aacagagcag tcaagt 176

<210> 15210
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 15210
 atattgatg ccgcagccgc tgctgccagc gcttctcct ctgtcttcgc cgaggt 56

<210> 15211
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 15211
gaggaggcag ctgcctcag ctgcgctgtg cacacctgc cggggggagg acgcagaccc 60
gggcaggcgg cagggatgtc ggcgaaggag aggccaaagg gca 103

<210> 15212
<211> 381
<212> DNA
<213> Homo sapiens

<400> 15212
aagtacatat ktattagctc ccattaaacc catccactgt gagcttatcc ctacctcaaa 60
atttctccta gtggagaggt agtggtcttt cttgccaaag ctaatctttc caactatgct 120
ctgggtctca ccgtcttctt ccttctctca tacctttctc tccccctcta cccgggtggc 180
tgtggctgaa tgcctcaggg gagagattag aaaggrscat attactaaaa cctagtctca 240
tgctttcaga gtcaaaagct tcaatctctc tggcttgacg ttccaacagg ctctgtatct 300
gttctgtgcg ctcatatttg aatagctcag atcattcagc cattcaactg gtctacattg 360
agcacatact atttgccttg t 381

<210> 15213
<211> 88
<212> DNA
<213> Homo sapiens

<400> 15213
ttacaccaac tgttttcact tactctcttt ttgactacat taagagtaac atcctatgat 60
gaatatcttt ttaacacaaa ggccgctt 88

<210> 15214
<211> 119
<212> DNA
<213> Homo sapiens

<400> 15214
cctgccttc agcctggccc tgcgtccat gcagaacagc cccagcattg cagccgcttt 60
cctgcccacg ttcattgact gcctgggcag ccaggacttt gagtggtgc agacggcca 119

<210> 15215
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15215
agaccatgcg gcacaggcgg aaggcgggga cacggcacag accgtggggc acaggcgg 58

<210> 15216
<211> 143
<212> DNA
<213> Homo sapiens

<400> 15216
acatctttct gtttctcct tgccttgact gttaattagc tcagtggatt tttatgtcat 60
gaatgcattt gttttctaata acatcttcat tttaatgtaa gatagttgaa aagaaggacc 120
aagtcctctg agaaccccat aga 143

<210> 15217
<211> 76
<212> DNA
<213> Homo sapiens

<400> 15217
ggacccgggc gcggasctgg cgacgacggg gggcgcccca gatttcatgt gttctttgta 60
tacaagcgac gcccca 76

<210> 15218
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15218
aaaataggtt ggtttgagtt gtatgtaatg agatttctaa tattctatgt gaaatgcccc 60
a 61

<210> 15219
<211> 76
<212> DNA
<213> Homo sapiens

<400> 15219
aaaaaccctc agggacctgg tatagacgca gaatctgttt cacacaacaa ctgctatttg 60
aaggaaaaaa aaaaaa 76

<210> 15220
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15220
ttttaagctg ggaggaagag atagtcgctc tggatcaccc atggctagac gctgaa 56

<210> 15221
<211> 71
<212> DNA
<213> Homo sapiens

<400> 15221
attggtgatg aagagagctg gaatgatggc actctcattc ctacaacaag gaaaatagct 60
ggacaaaccc c 71

<210> 15222
<211> 114
<212> DNA
<213> Homo sapiens

<400> 15222
caagcatctg tattaattga ttgatggca taaggttatg aaaataatgt actgccccat 60
gtattactgt tccaaaagga gaaagctatg tagaaagata cattaagggt gaaa 114

<210> 15223
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15223
atgaacaggt atbaagtgag ttccatgagt ttgacaatt gaacacgacc ctgtagtcac 60
cacccaagac aa 72

<210> 15224
<211> 89
<212> DNA
<213> Homo sapiens

<400> 15224
gtgtggctgg aagacactga aatctggaaa acagctatatt aggtataaat ttactttgac 60
ttactgagat caagaaagaa ctgacatcg 89

<210> 15225
<211> 111
<212> DNA
<213> Homo sapiens

<400> 15225
tttactcttt gtagttttca ttggatctta attaggtggc ctggaagcaa cgccttttga 60
agtgaacctg tggccgttgg tagctctgtt ggcggcttga tggaggatcg a 111

<210> 15226
<211> 99
<212> DNA
<213> Homo sapiens

<400> 15226
tatgtggttt gccttctgtg tccgtgagtg ccgctctcta cctccctcct gaagtgttcc 60
cgggccctga ggagtccttg ttctaagatt accctggca 99

<210> 15227
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15227
agtctgattt tattggctag gagtctaaca gtcctgtgtg gatatacagt ttgcccattg 60
acaa 64

<210> 15228
<211> 77
<212> DNA
<213> Homo sapiens

<400> 15228
aaagcaacag caagcaatga aaggagccat ggccaaggag ctgagctcca cataactaga 60
accggaacca gaacgca 77

<210> 15229
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15229
 tgctattttc cttctacatc ctattgatgg aatgtattgc tttgatcaag ttttgaatat 60
 tgagccagcc tgt 73

<210> 15230
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15230
 caaaatcact tctaattaca aaatgtgctg ttttgggtggg gtgggcaatc agattattat 60
 agttgatgac tgt 73

<210> 15231
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 15231
 ttgcaatata gattttctct ttttaacaaa ggaagaatat aaattaattt ggatcaaatt 60
 tattttgcctt ctttgcaatc ttggtgatca ttttggaag taaattgaaa ggaaagttaa 120
 atagccacat aa 132

<210> 15232
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 15232
 aaaatctcac tcagattcgg aagagccatg caaaagaaat tggacaaagg cttcctccac 60
 ctgtttcttt ttttcttttg aacttgtaaa cgaccgct 98

<210> 15233
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 15233
 agagagtrgg gacgtccggc ttcggagcgg gagtggtcgt tgtgccagca ac 52

<210> 15234
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15234
 acataagacc cggcgcgctc gagtggagtt gtataaagcg agcgcgcggc gtcggggcg 60
 gtac 64

<210> 15235
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15235
 ttaggtcaga ggaattacgt cgtaaccaga tatgtttctc caggggggar gccggatgct 60
 gc 62

<210> 15236
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 15236
 attctttaag gtgttttatg accggatgaa ggtggcccag caagaaatca aagcaac 57

<210> 15237
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 15237
 aaagggaaac gctgaggcgc cgggggtgac tgtgggggag ggggaccccg agccgcggag 60
 acccccgggg aggcgac 77

<210> 15238
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 15238
 tgacttgatt tccagaagac cccatctctc actactacca cagtggagat ttaagtttca 60
 acacatgact ttgggggaca ttcagaccat agcaagcagt gaggagacta tcgtaattat 120
 ccaggcgt 128

<210> 15239
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15239
 aaaacactgc cctctccctt cttgaccctt agcccttctt tccctccctc cttccctcct 60
 gt 62

<210> 15240
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 15240
 tttattggtc tattcagatt ttcggttatt tctttgtaaa atttcccaga c 51

<210> 15241

004220" 66627560

<211> 60
<212> DNA
<213> Homo sapiens

<400> 15241
tttatttttc tactctgcga caaactgaaa agattccagc acgctaattt aaccaccctc 60

<210> 15242
<211> 86
<212> DNA
<213> Homo sapiens

<400> 15242
aataggctgc tcgttcgtgg tcaacaggaa gttcttcggt gaaattggtc ttctggatcc 60
tggcatggat gtatacggag gagtga 86

<210> 15243
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15243
cccttccacc gcaggctgcc ccatggcagc cagtgcaccc gctgagacaa 50

<210> 15244
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15244
aatagagacg gggtttctcc ttgttggtca ggctgggtctc gaactcccga catcaattga 60
tccacc 66

<210> 15245
<211> 94
<212> DNA
<213> Homo sapiens

<400> 15245
tcaattcagc aaccatttat tgagcatcta ttatgtgcc a rgcactgtgc cgggcactgg 60
ggatatacac aaagccataa gcactgggga ctgc 94

<210> 15246
<211> 92
<212> DNA
<213> Homo sapiens

<400> 15246
tcttgatttg gctacctagc ctcaagggtt tggttggttt atttttgaga caaggctctcc 60
ctctgtcacc caggctggag tgcgtggcac gt 92

<210> 15247
<211> 186
<212> DNA

<213> Homo sapiens

<400> 15247
aagtgggtca gggccgggcc ggcggasgcg casgngggct gcagattctt tccaccatgg 60
ccagacgccc ccggaacagc agggcctggc acttcgtcct gactgcagcc cgccgagacg 120
cagatgcccg ggccgtggct ctagcaggct ccactaactg gggctacgac tctgatgggc 180
agcaca 186

<210> 15248

<211> 209

<212> DNA

<213> Homo sapiens

<400> 15248
ctcattgact taatttctgt ccttatatgc tgtgtctagg acatttagat ataggaggta 60
aattctagca cattttggga acactgtgaa tagaggagct gataaacaca tggagtgaaa 120
cgngccaaga attgctgtga atattaaaga taaataaagg ccagtaacag gaaaaagaaa 180
gggacacaca attcatvnat cagattcga 209

<210> 15249

<211> 93

<212> DNA

<213> Homo sapiens

<400> 15249
agtcccccag cggcggctgc gagaagggca gccgctcggc ctccggcagc cgccgctcgg 60
gcaaagccag agaaagaccg aggctcgggg cgt 93

<210> 15250

<211> 110

<212> DNA

<213> Homo sapiens

<400> 15250
attgccagga ccatctgaac tgtgctttac agggcatggc actgccctct gataaggggc 60
aggcatccag taccacagga cagggtcagg gcaggaatcc agtgggcaac 110

<210> 15251

<211> 89

<212> DNA

<213> Homo sapiens

<400> 15251
aaagcctctt tcactttctg gagatcactg agctctccat cctctctggg aatttaccga 60
tgcccagaac gcccttctt cccccacac 89

<210> 15252

<211> 70

<212> DNA

<213> Homo sapiens

<400> 15252
ctccatttct gcaggacac gggcagcctg gctcccagga cactgactgt aatgaaagtt 60
tggggaccta 70

004220"666E4560

<210> 15253
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15253
aaacacctca ccggacgtgt aggaaatagc tgtgctggca agaacccaat 50

<210> 15254
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15254
cttgataat agtgtgtaca cacacacaca cacacacaca srcacacttc 50

<210> 15255
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15255
tacagagagt atgttttgac actttgaagt agtttaaccg tttggttatg gtcagaaaga 60
acttaccag tagac 75

<210> 15256
<211> 122
<212> DNA
<213> Homo sapiens

<400> 15256
gcgatgtctc cggcggtctg gcgggctgga gcaggcgagc ggccagggcg gtgctcctgg 60
gcctgtcgct ggttggcctc ttactgtacc tcgtgccggc tgcggctgca ctggcctggc 120
aa 122

<210> 15257
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15257
atatgatccg ctcggtctcc tgggtctggc tgctgccgcc cgccggtgtc cgcccgtgac 60
c 61

<210> 15258
<211> 57
<212> DNA
<213> Homo sapiens

<400> 15258
aagagttaag tgaggataga atcatcctct tgaacctcat ttgcacagca ggcacca 57

<210> 15259

<211> 70
 <212> DNA
 <213> Homo sapiens

<400> 15259
 tgctggttct ttttaatctc tttctgttgg atgtgttata gaatcttgag gctcaggcct 60
 tggactgccc 70

<210> 15260
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 15260
 ctctctcagg gccctgctgg cctcccagga atccccggca ttgatgggat ccgaggccca 60
 ccgggcactg tgatcatgat gccgttccag tttgcaggcg gctcctttaa aggcccccg 120

<210> 15261
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 15261
 tgcagtgggtg tgatcttggc tcaactgaaac ctccgcctcc tgggttcagg tgattctctt 60
 gcctcagcct cctgagtggc tgggattgca ggtgccca 98

<210> 15262
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15262
 tgccactgta gcctgggcaa cagagtgaga ccccagggca aaaaaaaagg tgggggggtta 60
 aa 62

<210> 15263
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 15263
 tttgtaaaaa tcagcccatt tttatgaata aaaaaatagt agatacaagt ttgcaatata 60
 agaaatgacc acagc 75

<210> 15264
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 15264
 attactctct tctgccagga aataagcagg gagcataggc ttcttgcaag aatggagtgc 60
 gaagatgggc tttgtttggc ttaggaaatg ccatacattt tggagggtta 110

<210> 15265

<211> 50
<212> DNA
<213> Homo sapiens

<400> 15265
tttcccagtc agcaagggtc tgggaagtgc atacagttcc tgctcctggt 50

<210> 15266
<211> 179
<212> DNA
<213> Homo sapiens

<400> 15266
cagatggata attgcagaac ttttctccca ttctgtaggt tgtctgttca ctctgatgat 60
agcttctttt gctgtgcaga agcgcttttag tttaattaga tcccatttgc caattcttac 120
ttttgttgca attgctttcg atgtttttgc catgaaatct ttgcccatgt ctatgccct 179

<210> 15267
<211> 127
<212> DNA
<213> Homo sapiens

<400> 15267
ttcctagccg tcttcccaga acgtaatgtg tcttaaattcc gtcattgctga cctggggccc 60
tgggtgccct tgggcaggag ctgatggcac tagtaccttg attragttct tactggcacc 120
agaagga 127

<210> 15268
<211> 98
<212> DNA
<213> Homo sapiens

<400> 15268
tgcagtgggtg tgatcttggc tcaactgaaac ctccgcctcc tgggttcagg tgattctctt 60
gcctcwkct cctgagtggc tgggattgca ggtgccca 98

<210> 15269
<211> 91
<212> DNA
<213> Homo sapiens

<400> 15269
cagagaagggt acccaaattgg tggttcaaac acaggctggc taataagctg tgagggtgact 60
taccaaaaaa caacaacaac aaaaacccaa a 91

<210> 15270
<211> 52
<212> DNA
<213> Homo sapiens

<400> 15270
gtttcatctc tatggctgtc agagggtggc ggctttgacc gagaggctgc tg 52

<210> 15271

<211> 186
 <212> DNA
 <213> Homo sapiens

<400> 15271
 agcgggtggca gcggccaggc cgggagccag gccctgagg gagggagctg tcagccaggg 60
 aaaaccgaga acaccatcac catgacaacc agtcaccagc ctcrggacag atacaaagct 120
 gtctggctta tcttcttcat gctgggtctg ggaacgctgc tcccgtggaa ttttttcatg 180
 acggcc 186

<210> 15272
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 15272
 gtcctcagcc cgcgcccgcc atcgccgtca tgctggggcg cgctctccgc cgctgcgctg 60
 tggccgcaac cacc 76

<210> 15273
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 15273
 caaaacacat ttagcccca aacaagaattg tggattggta tttgttttgt tggatgatag 60
 tccttgtcac acagattctt cttgaaacat actccagggg cg 102

<210> 15274
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 15274
 gtgatccacc cacctcagcc tcccaaactg ttgggaggct gaggtggaag gatcgcttta 60
 gccaggaag tcaaagctgc ggtgagctgt gatcacacca ctgtactcca gccagggcaa 120
 cagagagaga ccctgtctct ctgsbagcgc ac 152

<210> 15275
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15275
 tgagggttgt ataattgttt tgaaataatt gtcgttggtt acaaagatca atagcaaggg 60
 tggc 64

<210> 15276
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 15276
 acttttctatt gcaggagaag aggacaaaga tactcagaga gaaaaagtaa aagaccg 57

[illegible]

```
<210> 15278
<211> 108
<212> DNA
<213> Homo sapiens
```

```
<210> 15279
<211> 92
<212> DNA
<213> Homo sapiens
```

```
<210> 15280
<211> 130
<212> DNA
<213> Homo sapiens
```

```
<210> 15281
<211> 56
<212> DNA
<213> Homo sapiens
```

```
<210> 15282
<211> 63
<212> DNA
<213> Homo sapiens
```

<210> 15283
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 15283
 taagacgtat gtaacatgat gttaactttg tgggtctaaag tgttttagctg tcaagcccag 60
 caggctgagg cagaagaatc acttgactcc gggagggtgga ggttgcaagt agctgagatc 120
 gcgccattgc actccagcct gggcaacaag agcgaaactc tgtctcaaaa aaaaaaaaaa 180

<210> 15284
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 15284
 tagaactggg aaggcagagg ttgcagtgag ccgagatcgt gccattgcac tcgtgggcca 60
 cacggcgaga tctgtctcaa aaaaaaaaaa 89

<210> 15285
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 15285
 attatattct taatataaat acaatcacat cttgaaatca ctttgaaatt ttctttatct 60
 tccttttttc ttcccccaac atatgttctg aagtacacag gctgcatcag tcagccattt 120
 gtcttgagct aa 132

<210> 15286
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 15286
 tgcccaggga gwggttcggt gcaggagtsa atgactcart sggcysaagt ggtagcagag 60
 tcacaagggc tctcgtgaca ttcttgtaat gactctcaga gcagaagtca cttcctagcc 120
 t 121

<210> 15287
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 15287
 ckkcacttcc cagacggggg ggcggctggg cagaggctgc aatctcagca ctttgggagg 60
 ccaaggcagg cggctgggag atggagggtg tagctagccg agg 103

<210> 15288
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 15288
 accaaacata ttttagatat atcttgacta aatactgaac tatttcagtg ccttcagtta 60
 caatgtgttg ctcacactag gc 82

<210> 15289
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 15289
 atgaatattc aagattgata ttactattgc ttattagcaa gattgttatc aatcatgctt 60
 attagaagga tgaatatcca agaccaagat tgactaatga tgagtctgca tcaagaacta 120
 ggcatttctt ctgagttgac ggactcttta ggaaaggaga atctaagtga agcactgatt 180
 ttagctctga gaacaaacaa attaaggtac agcatagtta gccttggtag aggtatgact 240
 tggatttgct gtatccttta aaatagtatc tgggcattta ttttattgaa ggtgacct 298

<210> 15290
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 15290
 ctgtaccaag atgaagcccc taagggaaca gaggcttctt cggggacaga agctgccact 60
 ggccttgaag gggaagaaaa ggatggcatc tcagacagtg atagcagtrc tagcagtga 120
 gaagaagaga gctga - 135

<210> 15291
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15291
 tttccaacga ctgtaggagg aaaaattaag gggagagagg aaaacaaaac caaccaaccc 60
 ctt 63

<210> 15292
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 15292
 agatccggtt ccatgccatg ttttgaatt tgtgtttacg tctgccttca tccccatc 58

<210> 15293
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 15293
 atccatctgt ccggccgact gtccagcgaa aggggctcca ggccgggcgc asgccaccgc 60
 gggatcc 67

<210> 15294
 <211> 192

<212> DNA

<213> Homo sapiens

<400> 15294

```
cgttgattca cttattcaat aacttcccta atcacctact atgtgcctag cacggttcca    60
ggagctgggg acagatacag caatgaaaaa acagaaaacc ctgcccttgt ggagcttctg    120
ctttgtgtag agagatgggc aataaacaaa gcaaataatt tctctattag aaaatggagt    180
gcacagagag ct                                                         192
```

<210> 15295

<211> 94

<212> DNA

<213> Homo sapiens

<400> 15295

```
tcatcaaaga gaaagaagaa atcctattta ttgaactcca gtgaagtgtt ggaagttgtg    60
ctagatgctt tacaatactt tattttgttg ggggt                               94
```

<210> 15296

<211> 118

<212> DNA

<213> Homo sapiens

<400> 15296

```
atgggaaaaat aaggcacttc aaccctcaag tagtttatgc cccacaaagg tgagatatat    60
acatcattgg aattatagac cagtgcataa ctggcagtgt ttaaagaatg ccactaga    118
```

<210> 15297

<211> 168

<212> DNA

<213> Homo sapiens

<400> 15297

```
ttttagtatt ttacaggcgg cgttgtcttt gatagatatt tgatkatta atcggagaca    60
aaatgcccac aggggctgcc cagtcagcac ttatactgaa ttgagtgtact taattgcct    120
cagtacaata tatacatact aaatttgatt atatatttca ccaccctt                168
```

<210> 15298

<211> 118

<212> DNA

<213> Homo sapiens

<400> 15298

```
catttatatt ttttgttgct attgttatta ggaagcaaaa aaatgtacag ttacaagaat    60
cattttccaa acagagggtta aatatgagct gaaaagtgtg aaaaaggaag aggaacac    118
```

<210> 15299

<211> 116

<212> DNA

<213> Homo sapiens

<400> 15299

```
tactgagatt atygtgtccar aagttagtgc ttatatccct tccattcaga aaagggggca    60
gtttttaaag gcctctgtca taaaaggaaa tgtatatatt gactagtgga gcatca      116
```

<210> 15300
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 15300
 tgattttgat gcamaactag ttaaaagcct ttcataccag tcagtattcc cagccttgag 60
 cgcacgcgcg cacacacaca tacgtcttct ttcctggggc agccctctc atcttgcccc 120
 acatcattct caaccgccgc acctcgggca tcacgagat cgagatcaaa ccgctacgca 180
 agatggagaa gagcaagtcc ac 202

<210> 15301
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 15301
 atttgtttcc acggcggcga ggagcgccgg cgagcgccac cgggaccgag cggggact 58

<210> 15302
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 15302
 ctggtttcta tttatcactt tggaaggaga aagaggggtca ggagacaaga kagccc 56

<210> 15303
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 15303
 tcaaaagtca tcaaattgca cacatattat ttcacagtat gtatgtttta ccttaaataa 60
 aaatgttttg gccaggc 77

<210> 15304
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 15304
 ctaaaatctt ccagaaagaa atccagtcaa ctgaaaccac cttagaccac aatcaaacc 60
 ttaagggcaa tcacggccca ggatagtgtt acacagctgg aaattgctgc tagaggagga 120
 ggcttggctg aatgactgaa ttaatagtag atgtacaggg cttacgaaag cactcaaagt 180
 tcaaaatttt ggcttgggag actctacccc catcctctcc ctaggaggcc tgcccccgcc 240
 ga 242

<210> 15305
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 15305
 taaaattaga accagggtttt cttatgttct tagaaactag caggaatgac acagaaactt 60
 tatggatcta acccaggacg a 81

<210> 15306
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 15306
 aaaggactat ggaagctgtt caagatacat ttgatcttca gaaaagcaga atttggttca 60
 actgttgaca gagacggccg agggtttcac tgtgttagcc aggatggtct cgatctcctg 120
 acttcgtgat ccgcccacct cggccttcca aagtgtcggg attacaggcg tgagccactg 180
 cgcccagccg ctaattttca tatttttagt aaaaacaggg ttcca 225

<210> 15307
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 15307
 tttattttcc agcaggctgg gtgcgggtggc tcatgcctgt aatctcggca ctttgggagg 60
 ccgaggcggg cgatcgca ggtcgggagt tcgaggccgg cctggccgn 109

<210> 15308
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 15308
 attaaaaaat aaaatatgcc actatcatat gttccaacaa ctgtgccttt ggacatttat 60
 cctagaaaac tgaaaactct gttcacaaaa ccccatat 98

<210> 15309
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15309
 aatgattagt ttttgttggg ggttttgttt tcatttatTT ttgcaagagc cgct 54

<210> 15310
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 15310
 agtcaacaaa atccaactaa aatgaacttg aactcaagga aatctacaat gagaaatctt 60
 acggtcacac ttgaaaatta caagagaaat ttgaaagcag aca 103

<210> 15311
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 15311
agattacctg atgcagctga tgaacgacaa gaagctcatg agcagcctgc ccaacttctg 60
cgggatcttc aaccacctcg agcggctt 88

<210> 15312
<211> 96
<212> DNA
<213> Homo sapiens

<400> 15312
cataaaagca gtgtggacct aaagagtga cagtagcaag acttattgca aagagcgaaa 60
gaacaaagct tccccagtgt ggaaggggac ccgagc 96

<210> 15313
<211> 94
<212> DNA
<213> Homo sapiens

<400> 15313
gaattttctt ttccctctaa atccatttta caccctgctt ccacactact cttattgaag 60
cacagccccc tgcctataaa tcttctgttg gctt 94

<210> 15314
<211> 227
<212> DNA
<213> Homo sapiens

<400> 15314
ctttttctct ttctcttctg gccacagcc gcagcaatgg cgcctcagga gtccctcaaa 60
tttttccttg ctctcttctc cttcaaacac tgactggtga acattgcacg caaacaacga 120
gttgaggagg tcattgaagt cagtgattgc ttgaaaggct tcttctgcaa aacaacgagt 180
taagccctac tgtccctgag ccctcctctc tcctchgcct ccccaac 227

<210> 15315
<211> 416
<212> DNA
<213> Homo sapiens

<400> 15315
caggtatcag agatggagac acaaaaaaaaa tgataagttg cctcaagagc cttaaggtat 60
tccccttccc catctccaac atcttcccca agcgtccaa tggatttggg ggcaattact 120
cagagaagga tctccgaagt ccagtagcaa tagggaaaaa aaacttgagt gcagtagttt 180
atgtggcgtt tggctccagg atgcaggagt ggkdwagatg gtagagagac gcgatgagt 240
tgaggaatga gggagccatg tcctcacaac agccctagaa tttattgcta gacactgtcc 300
tgaatgatct gtttctcagg acaccacgct tgccttgtt cccctttgag agggtttgta 360
gcaaaaccct gaaggctggg tgaagaaatt ccaagaaaag tttgcacact tgccgg 416

<210> 15316
<211> 129
<212> DNA
<213> Homo sapiens

<400> 15316

tttcttatgt gcggcgccgt gatgttgggc ggccacagag agattggtgt ttttgtgagg 60
cagtgaacc taaggtaacc tttatcaaaa ggatggagtt gggaaaagga aaactactca 120
ggactggac 129

<210> 15317
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15317 56
cctgctgcgg cagcaccccc taccgctgt gaccamgtcc cgctgcttgc caccca

<210> 15318
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15318 60
aagacaaggt cctctctgcc gccagggatc ccacgcttct cccacctgas acaggggtag 61
c

<210> 15319
<211> 109
<212> DNA
<213> Homo sapiens

<400> 15319 60
agcgcgtagc gmtgagcctc ccggggcggg cccgggacgc gcccttgggg gcccggccg 109
taagactcgc gtagtctgtt gggagttgag ggagggggac aacgcggac

<210> 15320
<211> 55
<212> DNA
<213> Homo sapiens

<400> 15320 55
aatttagcag ccgctatcag aaatctagga tttttcatct cagtgtccct cagac

<210> 15321
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15321 60
ctgtctcaag atgcaaggag aggatacacc accatcctgc tggctgctct gagtgtcacc 66
cccaaa

<210> 15322
<211> 92
<212> DNA
<213> Homo sapiens

<400> 15322 60
atgttaaaga agtgtttgct attattacat tgatgaaaac aaagtcata tttgttccag

agactcgctc acgtttctga tgacagcacc ag

92

<210> 15323
<211> 115
<212> DNA
<213> Homo sapiens

<400> 15323
ttccactggt ctttatctct cttactaagt tctcagggc gaatgaactc taactgctcc 60
ttgctagtga taagcaagtt gcaaattaca gaattgtcag tgattgaata cacta 115

<210> 15324
<211> 209
<212> DNA
<213> Homo sapiens

<400> 15324
aagatgaggc aattaattgc ctgtttctct gcttccaatg tttgttctca gtttctcaga 60
atTTTTctta gcgcaaagca gtkagcggac acgcmcgcc tagttcatta tctttaataa 120
tgaactagac aataaaactaa ttgtwgtcta aaaacttctg gtatgcctgc tctccagcag 180
ctggaacag atcttctctgc ctgacccak 209

<210> 15325
<211> 155
<212> DNA
<213> Homo sapiens

<400> 15325
gttttaatcc caagcagatg cgagasvtaa aatagtgtat ttgccctccc tccaggcttt 60
tctggtagta ttttgtctgt gaaactaaga ggctctagct gctattagaa gaggggaagga 120
gtvaggatga gcttttgaaa aaaaaaaaaa aaaa 155

<210> 15326
<211> 93
<212> DNA
<213> Homo sapiens

<400> 15326
tttgactgg aggcttgggc ccgccgaaag tgggcttctg ggccatctcg catattctca 60
acggctgtgc gtgtccttaa aagtcctgg gat 93

<210> 15327
<211> 57
<212> DNA
<213> Homo sapiens

<400> 15327
agtttctgga gctacttgcc aaggctgagt gtgagctgag cctgccccac caccaga 57

<210> 15328
<211> 186
<212> DNA
<213> Homo sapiens

<400> 15328
 tgatattcagg gcattaaaga ttttaggtat ttattgtagt cttckgggct tgtttatata 60
 cttccttctt gggaagactt tccaggtatt ttaggtact tgggggtatg atctaagtct 120
 ttggtcactg aagccatgtc tgctttaggg gccaccctaa gtcctaattct tctgtaggag 180
 gcacca 186

<210> 15329
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 15329
 actgatgtag cattcacaac tgtgtctcat tttattctta atcccatgag gcaa 55

<210> 15330
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 15330
 tactgtgtat ataatggaaa acttaagtcc agtttgaaac atctagtctt tctaggtgtt 60
 taaaagtgtg caacggcctg tcgcagtggc gcaatgtggg gccatcttgg ctcamtgcaa 120
 cctctgcctc ccggttcaag cgattttcct gcctcaggct cccgagtagc tgggattaca 180
 ggcgcccgcy rscacgcca gctaattttt tgtattttta gtaganacgt 230

<210> 15331
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 15331
 catgtaccgc tacctgggcy aasgcwrttg ctgtcccggg ccgggcccgc tgccctgggc 60
 tcggcgctcg ccgacg 76

<210> 15332
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 15332
 ttctgattgg ctccattcat gagcaaaggt gattgtgagc tgtatattac acaggtgtgc 60

<210> 15333
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 15333
 attatcagac atagagtggg gcttacagtc tcagagcatt accctgtatt attcaggtag 60
 atgatggttt ggggggaaat tactattaat ttgaaagact ctac 104

<210> 15334
 <211> 99
 <212> DNA

004220" 66667560

<213> Homo sapiens

<400> 15334
agaacagtat gcgctcasagt acattcacgt tctgactgaa ggacaaaagg atgagagagc 60
agtctgcgtg gctgccgcct gcaacaccgc gagcccggc 99

<210> 15335
<211> 65
<212> DNA
<213> Homo sapiens

<400> 15335
cttaaaaata tttaaattct taaaaaattg aaaagattat tcttctcaaa tttagttgag 60
cccga 65

<210> 15336
<211> 209
<212> DNA
<213> Homo sapiens

<400> 15336
ataaatgaat ttggccgggc gcagtggctc acgcctgtaa tcccagcact ttgggaggcc 60
aaggtgggcg gatcatgagg tcaggagatc aagaccatcc tgactaatgt ggtgaaaccc 120
catctctact aaaaatacaa aaaaatgagc cgggcgtggt ggcgggcgta tgtagtccca 180
gctactccag aggctgaggc gagaagtgg 209

<210> 15337
<211> 71
<212> DNA
<213> Homo sapiens

<400> 15337
tctctggagt cggctagccg gggctcgggg agcgggggtgc gcagggctcg gggccacgcc 60
ttgccaccta c 71

<210> 15338
<211> 62
<212> DNA
<213> Homo sapiens

<400> 15338
ctattttgtc tsatattggt gtgaatgctg tacctttctg acaataaata atattcgacc 60
aa 62

<210> 15339
<211> 172
<212> DNA
<213> Homo sapiens

<400> 15339
accaccgcct tccaagtffc cccttgtgga tgcgcggccc cgcggctctg stcctcccgg 60
cgcagagggg ccgggagagg ccacasgagc ggacctggca cgggattyct gaggaacggg 120
agaagactgg cgcgccgacc gctctggagg gtcggtgaac gatgaaggga cc 172

<210> 15340
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 15340
 aaagattggc tgcggtgtgg tggtagcgcc ctgtaatccc agctacttgg gagtctgagg 60
 catgagaatt gcttggacct gggagta 87

<210> 15341
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 15341
 attgacagaa cagagctcta gcgactgggc cctgtagtca gcaattatcc aaatacctgc 60
 t 61

<210> 15342
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 15342
 cccatggggg ctsmagacat kgtatTTTTac tttgtgcaat atgaggggac tgcattgcaag 60
 ctcagggtgc tccctcctca gtctttgggg gattcaaatt catgatattg tatgtacctg 120
 ggagtagagt gcgttcgtag tttgagtttg ctaggcaact gcgttgaaag gacgttcgcc 180
 aagggccgtg tgtaaatacg aactgcgcca tggagaggag aggcactgcc ggsagccctt 240
 gccagatctc cctccctctc tctgtgcagt agctgtgtgt ccgagggtcag tgtgcggaat 300
 cacagccaag gacgtgaaga gatgtacggg ggaaagagaa gctgggga 348

<210> 15343
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15343
 tcttagaata aatgtatttt gcatgaaatt catttatcaa aatttggact tcagtctcac 60
 agcacaccgg acc 73

<210> 15344
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 15344
 atagactgct tkagcaaagt acacaataat ggcttataaa tgggtgtttaa atatgcattc 60
 attttaatct actgaacaaa tattgggata actccaaacc gcatgaaa 108

<210> 15345
 <211> 61
 <212> DNA
 <213> Homo sapiens

004220" 00057560

<400> 15345
ccactctgaa agccaagaat atggagatta aagtaaagga ctacatctca gctaagcctc
t 60
61

<210> 15346
<211> 116
<212> DNA
<213> Homo sapiens

<400> 15346
ttaacagcat cggggaaacc acccccatga tccaatcasc tccccccagg cccttscctt
sacatgtggg gatcacaatt tgagatgaga tttgggtgag gacacasasc cagasa 60
116

<210> 15347
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15347
gtccttcggc tcsrgagccg cgactgcgct cgcctaggtg gtgggcgggg agggaaggaa 60
gggagcgggc cg 72

<210> 15348
<211> 102
<212> DNA
<213> Homo sapiens

<400> 15348
ttttctctct ctctctctct ttctgtctct tctcgtctcc ctctctttct ctctccctc
tgctttccca gtgcataaag tctctgtcgc tcccggaacc ca 60
102

<210> 15349
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15349
aatTTTTtgc tttwtgcttt atttatgttt tagcaaaact ggtgatccaa gcaagt 56

<210> 15350
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15350
acattggaac tcrcaactct tctaactcca gggatttgaa tgtgatttct tctttttaat 60
tcagagtagc gtaat 75

<210> 15351
<211> 86
<212> DNA
<213> Homo sapiens

<400> 15351

004320" 666E7560

aaagattggc tgggtgtggt ggtgagcgcc tgtaatccca gctacttggg agtctgaggc 60
atgagaattg cttggacctg ggagta 86

<210> 15352
<211> 62
<212> DNA
<213> Homo sapiens

<400> 15352
cttaaagcca atgcagaata cattaagatg gcagatcact atgtgccagt gcctggaggc 60
tg 62

<210> 15353
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15353
agaagtgagt rcrwgagcgg cgcagwagat cccagctcgg accshggacg gcgcgcat 58

<210> 15354
<211> 78
<212> DNA
<213> Homo sapiens

<400> 15354
agattcttaa ctccaggagg ccagatactc tcattctctc ctgtaccac atctgacaca 60
tcctcagttc cgggtgtgc 78

<210> 15355
<211> 59
<212> DNA
<213> Homo sapiens

<400> 15355
cctgagtgtc agtttgttgt ccctattgta gatgaaatag tgatgtagca aaaacctat 59

<210> 15356
<211> 92
<212> DNA
<213> Homo sapiens

<400> 15356
acattttctc gcgctctctc cggctctcct ttgtttatct tctaattctat atttttactg 60
gaagatttcc tctttattct ctcccgcct aa 92

<210> 15357
<211> 175
<212> DNA
<213> Homo sapiens

<400> 15357
caagaatctc agcacgagag gctgaagagg gaagaatctc gcagagagta tgagaagcga 60
gagtcctgaga gggccaagca aakggagagg cagaggcaga aggcrrtttdr agagcgccgt 120

004220" 656E1560

gtgatttatg tcggtaaaat cagrscgtgac acaacacgga cagaactgag ggacc 175

<210> 15358
<211> 57
<212> DNA
<213> Homo sapiens

<400> 15358
gcttcattgct cgcagggtac cgcttccatg acacgtatag atgacga 57

<210> 15359
<211> 63
<212> DNA
<213> Homo sapiens

<400> 15359
agagacgggt ttcaccgtgt tggctaggat ggtctcaatc tcctgatctc gtgggtccacc 60
cak 63

<210> 15360
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15360
agagagtggg gacgtccggc ttcggagcgg gagtggtcgt tgtgccagac 50

<210> 15361
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15361
gtcggctcgc gcccgcccc cgtcancccc ctcccctgtc gcgcgctggg gctgtttctc 60
gtccttcca 70

<210> 15362
<211> 143
<212> DNA
<213> Homo sapiens

<400> 15362
agtaaggctg tgtggccgcc agatgatgcc cgagaccgag gctccgcggt agtgccccga 60
caagggtggag cccggcgggc ccgcgagtc gagacctgtc ctaggagctc cagctcacgt 120
gacctgtcac tgcctcccgc ata 143

<210> 15363
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15363
tcttttcct tccccaggcc cctcggctcc ctcccagatc ccacccccag ccccastggt 60
tgccaaacac tc 72

<210> 15364
 <211> 53
 <212> DNA
 <213> Homo sapiens

<400> 15364
 caccacacgg cgcgacaaga tggcggataa ggagaagaag aaaaargaga ggc 53

<210> 15365
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 15365
 aagaccaata ataggctctg aaattgaggc aataattaaa agcctatgaa ccaaaaaaag 60
 tccaggacca gatggattca cagctaaatt ctaccagagg taaaagagg agcaa 115

<210> 15366
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 15366
 aacgtgtagt aggtatggga tcttgcctgtg tcgcccaggc tggctctggaa ctctctgggct 60
 aatgattct tctgcctcgg a 81

<210> 15367
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 15367
 caaagaagtg tgtcgccctac ttttttaaac ccctcagacg aaaatttgaa aacattatgc 60
 aattttgcgg gtgatctggc gcga 84

<210> 15368
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 15368
 cttaccgtgt agtrgtaact attcacttct taatttatga cctcaatcaa ttttaattgtc 60
 tagaatgtaa aaagtcttta agacataaga attctcacca ggccttagct gccttcctgt 120
 gggacagggc tcgggacctg cagcctgcc tgcctaagcc tcccacctcc tccgtgggtct 180
 cctgtggggc cccagcctcc tcgacgtgca cc 212

<210> 15369
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 15369
 caatttcag gacattcctc ctcttggtga atctagcctt ccaactgggtg gtattcacct 60

gataataagc acactgccag tratatgggc tgaatctgcc cc

<210> 15370
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15370
 aagtagctgg gattacaggt acctgccacc atgcccggct aatttttata tttttaatag 60
 agacgggtt 69

<210> 15371
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 15371
 atatccagaa tctacaagga acttaaaca atttacaaga aaataacaac cccatcaaaa 60
 catgggcaca 70

<210> 15372
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 15372
 cagcactgaa ctctgcaacc agtctgcccc ctcccctaga taattggagc agccgtagcc 60
 atctcatcct ctcttggtg acccagt 87

<210> 15373
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 15373
 agagaagctt agatttgaga ttccaaggaa cattgtaggg tagatctcaa cagggatttg 60
 agaaggagca 70

<210> 15374
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 15374
 agtagttcgc cgcgcccaac ctcccgagag gcagtdtagg cttttcaact gagccccaaa 60
 ttctcatag ccgtaagaaa ggctcctaaa aaattatttc ctttctctc tatgcgcttc 120
 tcttccttct ttaggaaaat ataagaaaat tatcaggcc 159

<210> 15375
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 15375

agtgcgggct ggcagtgcgg gcagagccgg nctgagaggg gcggccctgg aggagacgga 60
 ggccgcgggt gggcccagag cgcaagagga agatgaggac ac 102

<210> 15376
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 15376
 cagattttat ttttagaagg catattacat tttgaaggac aggccaatat attgagggct 60
 tgggtcaat ttagaaactg cattatTTTT cagattacct tagtttcaat attaaaacca 120
 atttccagag aaa 133

<210> 15377
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 15377
 aagtgaaata atcagactca aaaagacaac tactacatga ttccacttaa cagagctgga 60
 gtgcatcccg gggacttggg agctctggaa agaggagcag gaaagggacc a 111

<210> 15378
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 15378
 agagccatgg cctccacact gcgcccgcgg tccccgctcc tcgtgcgggt gtacaagtcc 60
 ggcccccgag tacgaaggaa gctggagagc tacttccaga gctctaagtc ctcgggcggc 120
 ggggagtgcg cggtcagcac ccgaa 145

<210> 15379
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 15379
 gtctcgcgtt ttttttcaca tttccttgcg accctggccc ttgagcgcact c 51

<210> 15380
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 15380
 aagacatgac ttttagctca taataggtaa catttaatta tgtatcaaaa ggtaaagacg 60
 ccccc 65

<210> 15381
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 15381
 taaatttaga aaaacttaat ttaacatatt taaataaggc tatattttca cattgttagg 60
 tgtagaactt taaaaaatct aaatctataa acatcacc 98

<210> 15382
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 15382
 tcagagacag ctgatacttc atttaaaaaa atcacaaaaa tttgaacact ggctcaa 57

<210> 15383
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 15383
 ttgtgttcat gtagccatag gcacatggag cagaatactt aagcctggcc c 51

<210> 15384
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 15384
 tagctatatg atatttgaca gttgmaatgg taagggtttt twttcttgct gattaaaata 60
 tataaaatat acttgatcag agggatatg 89

<210> 15385
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 15385
 aattttaaaa gccattctga atgacatggc aaggggagag agaaagtggg gtctcaactg 60
 acagatgc 68

<210> 15386
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 15386
 atttttcccc cctctagaag aatcaaattg aatcttttac ttacctcttg cacaa 55

<210> 15387
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 15387
 ggacggtaaa atggcgctg tcagagtggg aaaccagct gcagaggctg cagccccggt 60
 cccagcggc caaa 74

<210> 15388
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 15388
 catgatcacc gagaccgagg cggacctacg gtccctgcag tgcttgctgc tgaggaggcc 60
 accgaagctc ggggacgcga ggagccggcg tggccctgga aagacgccc a 111

<210> 15389
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 15389
 cttccgtgtg ggccctccct gtccctctc tgtcacctca cagtagtcgt tgccggtagc 60
 ggggtgtggg gcgcgasagc gcagggcggc ctctcccca ccctcagcc cggaccaa 118

<210> 15390
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 15390
 ctgaagtttc ctattgaatg aaatgaaatc ttcttaatgt aaagtgatac ccaaaccgta 60
 gtttgtagc attttcatgt tttaaactgc atttgtcttt cattatatta aattatgttg 120
 tcgccaaccg agcgta 137

<210> 15391
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15391
 aggccaagca tcatgccatc tctgctaaac tgaacaagcc cttctgttt gacaccaagc 60
 at 62

<210> 15392
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 15392
 agaccaataa taggctctga aattgaggca ataattaaaa gcctatgaac caaaaaaagt 60
 ccaggaccag atggattcac agctaaattc taccagaggt acaaagagga gcaa 114

<210> 15393
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 15393
 caaccgtcta taatgtcaga cccaactctc gcaagttcca ggctctctg ggggtgttcac 60

atccatcatg tactatttga caaatgtctg cttcaacaag ctccctgtct ccgtaagtgg 120
 ggtagagca gagaggggaa cagctaggag tcttttcttt ctttagcacc tgcttttatt 180
 attgcaactc acttagacca ggggtctcaa actcatgccc acagggaccc c 231

<210> 15394
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 15394
 cggtagcgcca ccagccagag gggctggacc agctgcaggc ccagaccaag ttcaccaaga 60
 aggagctgca gtctctctac aggggcttta agaatgagtg tcccacgggc c 111

<210> 15395
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 15395
 agtcttttct aggaggaaga ccaagattct ccagcggcag ggcagcctat caccacaacat 60

<210> 15396
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 15396
 tcctaaaact ggggttccta taggtcattg gcctgttcca gagtcttttt ggccagatca 60
 aaattcgcca acctt 75

<210> 15397
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 15397
 tttttgcagt yactgggagg gggcttgctg tggccccatc tgggagagtt gagccctggt 60
 ccagcccgcc acctggactt ctaacagccc tagacctcaa ctacctarsc aactgtactt 120
 taaaatatgt acaaagaaaa aaatttcttt aaactgagag agaagtttta ttttctaatt 180
 gtaaacadat ctgtcgac 199

<210> 15398
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 15398
 aatacatcaa atcaaataga atcttatatc tgtatgttaa aatagagcac ttacctgaag 60
 tcagtggcct gcga 74

<210> 15399
 <211> 105
 <212> DNA
 <213> Homo sapiens

004220" 6666T560

<400> 15399
tggtctgtag agatggcctt tcacttgagg agtactcagt ttccaggttc ttcttagctc 60
ggggctttta aattttgaaa tctaaacatt ctttcccacc tggga 105

<210> 15400
<211> 82
<212> DNA
<213> Homo sapiens

<400> 15400
tttttataaa atcgggtttc agatgagatg tttatcttag actattttag ggaaaaattt 60
tacatgtttg agacggcgga gt 82

<210> 15401
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15401
tattcttggt tgtatatgtc ctgtcacaga gtgtcctctt ggtgwwttct aaaacgagggc 60
c 61

<210> 15402
<211> 54
<212> DNA
<213> Homo sapiens

<400> 15402
ttgtttgctt aaacaaagtg actgtttggc ttataaacac attgaatgcg cttc 54

<210> 15403
<211> 83
<212> DNA
<213> Homo sapiens

<400> 15403
catccccagg gctgacgggt ctgcagggca cagagatgtg ggctgctgt gtctctgccc 60
cacagtggcc atgccgggac tgc 83

<210> 15404
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15404
atttagataa ccacttgatg cacaaatagg aaaaagcaga ttgtggcagt aaa 53

<210> 15405
<211> 192
<212> DNA
<213> Homo sapiens

<400> 15405

gcttcataaa aagagggaca agtggctggt gctgtggaca gagaagcttt atttttagta 60
 tgagacaacc tctcgctgag gcaggggaag tgcttgaacc cgggaggcag aggttgcggt 120
 gagccgagat cacgccactg cactccagcc tgggcgacag agcgagactc tgtctcaaaa 180
 aaaaaaaaaa aa 192

<210> 15406
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 15406 60
 acgcgcgcga acacacacac acacacacgc acacgccgcg gcggtcagct agagtttggc 72
 tactggaccc tt

<210> 15407
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 15407 60
 acactccgcg gactcctgcc acagccgtcg ccttcgcggc ggctctccag ccccgcgcc 78
 cagcctcggc gccgcata

<210> 15408
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15408 54
 ccctaataaa atgaggaact gagctataag ccaaaaccta gtacaaagag aagc

<210> 15409
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15409 60
 aaaaaaagcc ccgatgggta tcgtgagtra tggcaagagg atttagcctc ggcattaact 69
 tggagcgggt

<210> 15410
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15410 60
 tatataaagt ttatatggta aatataatta tgcccacttt tcaattgagg caactgaggc 63
 ccc

<210> 15411
 <211> 266
 <212> DNA
 <213> Homo sapiens

004220-6667560

<400> 15411
 ggggtgtctcc tgccttgatc tcagtgccat ctttctcccc cggctcgctg gcctgtatgt 60
 tttttctcct tctttttttt ctttttgaga ctggtctctt gtcacccagg gtggagtcag 120
 catagagttg gaaaatcagc tttggctttc tttcctgtct catttcctct agtgttctcc 180
 tttttattgt catcagctct caacaactct gccacttttg tgtcccaagg taataagatg 240
 taggaaacaa aacattgtaa agtgga 266

<210> 15412
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 15412
 attttaaaat ggctcactgtg accaccacgt ggagagtga ttgacgaggg gacttcttcc 60
 gcctcagcct cctgagtagc tgggactaca ggcatgctcc actactccca gctaattttt 120
 ctgttttttag tagagacagg gtttcacat gattggccc 159

<210> 15413
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 15413
 gacaaggatg gcgaccatct cttcggaagc ctaacgatcc agcacaggtc ccagccctgc 60
 gcascgccc ccaagccgcc agaggaccgc c 91

<210> 15414
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 15414
 tatgcagtgt cacggcattt ttctctggtg accaagcttc cactgacaag gaagaggatt 60
 atattcgtaa tgcccat 77

<210> 15415
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 15415
 tttttgtatt tttagtagag acgggggttc accatgttgg tcaggctggt cttgaactcc 60
 tgacctgtg atccacctgc cttggcctcc ct 92

<210> 15416
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 15416
 aatttcaatt tgaaacctag cggagggagg aggcaggcgc ggctgccggc ggctgggact 60
 gaagagggac gg 72

<210> 15417

<211> 71
<212> DNA
<213> Homo sapiens

<400> 15417
atctgtatcg agactctctc cagcccaaca ggaggatggg aaggagactt gtgtgggggc 60
ctcgggctag c 71

<210> 15418
<211> 162
<212> DNA
<213> Homo sapiens

<400> 15418
tgcttctatg agtttgactt tcttagattc tacatgtaag ggagataatg ccaatattca 60
tctttctgtg tctggctgat ttcacttaac ataatgtcct ccaggttcat atgtgttggt 120
gcaaatgaca agagtkcctt ttatttttga gacagggtcg cc 162

<210> 15419
<211> 101
<212> DNA
<213> Homo sapiens

<400> 15419
gtttgccagg ctggtctcga actcctgacc tcgtgatctg cccgccttgg cctcccagag 60
tgttgggatt acaggcgtga gcaaccatgc ccggcctaca a 101

<210> 15420
<211> 83
<212> DNA
<213> Homo sapiens

<400> 15420
accatgccat cttagatgag tatagggatg cttagatcac ataaaaagat gtcctcaaatc 60
agaatttttg gttgcagagg aca 83

<210> 15421
<211> 69
<212> DNA
<213> Homo sapiens

<400> 15421
atcctcctgt gttaattgaa gaacaccatg gaaagatctt ctgaaataat gtctaataata 60
accccccaat 69

<210> 15422
<211> 82
<212> DNA
<213> Homo sapiens

<400> 15422
agacagagcc ccgcgcggcg cggcggcagc ttcactctgg ttcaagcgca ggggatcggc 60
gggaagctct ttcacccccg ga 82

<210> 15423
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 15423
 aggcgtctgc gctgatcggg tccgccgcgc gccagagcca gagtcgcagc 50

<210> 15424
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15424
 acctttccgc gggccgcgng gatggcggcg cagggcgtag ggctgggccc ggggtcggcg 60
 act 63

<210> 15425
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 15425
 tctaggcaaa cattgaatgc aaacgtgtat tttttaata taaatatata actgtccga 59

<210> 15426
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 15426
 atctccctcc ccggcccttg gcaggagcct cgccctacat tggtcttca agtccgggcg 60
 tccccctcat gtgggagaca cagcccagac cattccatcg ccttgattc tgcccggacc 120
 agcgacctcg ccggcctct 139

<210> 15427
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 15427
 tctaataatgc tggggagaca tataagttga cagtraatat gctatttgca aatgtgtctc 60
 tcttctctcc ctaatgaaat tcagctccct gaagtcagaa atcaaagctg gattatactt 120
 tataagcccc atgctgcctg atgcgg 146

<210> 15428
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 15428
 aaatcatctc acaatgtaga gatgaatgtg acttaatgtc actacatcct gatagttttt 60
 tttttctata catattacac ataggaaaga cgtattgtac atatagggtt agtcaagaca 120
 tcctgtctgt gactgatgtw atgcaatcta ctttttcatt ttatattgtg aacatttccc 180

203

catttcttta aattatcccc cac

<210> 15429
<211> 59
<212> DNA
<213> Homo sapiens

<400> 15429
cgtgctatatt tggtttgtat tgtgcaaaaa taggttctgg tcctttaaga tgtaacaat 59

<210> 15430
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15430
agcatcctga ggggtgaggc ttggaggaca ggaatgatct tcggcttgag aaaccactgt 60
gggcaggact 70

<210> 15431
<211> 88
<212> DNA
<213> Homo sapiens

<400> 15431
aagacatcga agaaaaactg agaggctgta gctcgaccta gtttctgtga agaattttgt 60
caagtgatcc ctctcgacc ctgagcgg 88

<210> 15432
<211> 142
<212> DNA
<213> Homo sapiens

<400> 15432
atttaccatc tgatgccgat cattaaatat cagttctgtt tatctgaagg ctctaccca 60
gagattctac ccagtgaac tcccacagca gcgcaggtag atggggctga cctggcctct 120
ccaatgtctc ctgaactaa ct 142

<210> 15433
<211> 67
<212> DNA
<213> Homo sapiens

<400> 15433
gaagcagaca tgaaaagtca tatattgtac aattccattt atatgcaatg ttcagactaa 60
gccaatc 67

<210> 15434
<211> 63
<212> DNA
<213> Homo sapiens

<400> 15434
agatttagca tcaagcacag acctacaactc gctctttctc tccggtacac acagctccgc 60

cac

63

<210> 15435
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 15435
 catatatgta atatatatta catgtgttat attttgaaga atatatgtgt cttttatgag 60
 aaaaggcact ttgagtttca actcattgat atagaagcag gttttcttaa tctttaagat 120
 tggccct 127

<210> 15436
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 15436
 catatactgc tagtgcgtgg ttaagattta gatctttaaa gtataatggt agctttcttg 60
 ttatataata atacttctat gcctacttac gggtaaataat gagtaaaagt ttgccaatg 120
 tcagtaggaa ttttttatg agatcagttt tcacaatgtg ttaattatta agcactccca 180
 ctacacagtc actatcaca 199

<210> 15437
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 15437
 taaaaagcaa gctgtagaag aatatatatt atataatact taaatacatt tcaaaatcag 60
 gcaaaac 67

<210> 15438
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 15438
 gggagttgct tggaggttgg cggcgcgggg ctgaaggcta gcaaaccgag cgatcatgtc 60
 gcacaaacaa atttactatt cggacaaata cgacgacgag gagtttgagt atcgacatgt 120
 catgctgccc aaggacatag ccc 143

<210> 15439
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 15439
 tcaatatctt catttttttaa gagtgccttc tctttttttt ctgcgtcttt cttttttttc 60
 ccgtaactcc agaaagatta tgcattggaa aagtcctaga gcctgcttcc aaactgccg 119

<210> 15440
 <211> 84
 <212> DNA

004220" 666E7560

<213> Homo sapiens

<400> 15440
ccaagatggt ttaaagactt aaatgtgtcc gggcatggtg gctcatgcct gtaatcccag 60
cacgttggga ggctgaggtg ggcc 84

<210> 15441

<211> 92

<212> DNA

<213> Homo sapiens

<400> 15441
atcgcatggt gaataaaatc aaaatccttg ccttggcctg cgcaggttct tgacctcacc 60
tgtagttctc tctgtcttct cctgaccacc cc 92

<210> 15442

<211> 82

<212> DNA

<213> Homo sapiens

<400> 15442
agagaaaaga ggtagtgagc ggtgtttcag gatgtgaggg cccgcaggag ccgagtcagg 60
ctctctccac tgctgcccg cc 82

<210> 15443

<211> 127

<212> DNA

<213> Homo sapiens

<400> 15443
tgattttttt tgccttgtca ttaatctgag gaggtttgaa actaagactg ctgtcatcgt 60
ttctcctttc ttgtacagcc tatcttgcta cggtttctta catataccat agaagcaaca 120
ggcactg 127

<210> 15444

<211> 255

<212> DNA

<213> Homo sapiens

<400> 15444
tgtgttgggt gaagtgttca gtagatgtct gctaagtcta ggtggtttat aggtttgttc 60
aggtccccc tttccctggt catcttctgc ttagttctat caattattaa aaatagagta 120
ttgccatgtc caattattgt ttttgaatta tcttttctt ttttcaattc tttccgtttt 180
cgattcatgt atttgaaggc tctgttaggt gagtatatt tccacttggt atagcctcct 240
gatgagatga cccca 255

<210> 15445

<211> 111

<212> DNA

<213> Homo sapiens

<400> 15445
taaaatctca tttcaggttt cctctctatt ccatgactca aactttggaa ttattcctat 60
gaaagaaata attactaaat ttagccacaa gttagcctct tccagtggac c 111

<210> 15446
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15446
 atgattttct ttgtctccta aggtccattc tctcaggaac ttgatgatcg aggc 54

<210> 15447
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 15447
 tgacatcctc ctgcctatga gtccttgact ctggagtttt acaaagcagt cacatttcaa 60
 ataaaagtct gggaaagcaa cacatcatcg ccaac 95

<210> 15448
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 15448
 cttcatgctg aggacacatg gacacgtctc ttatgtctca agcaaagata cccccgtggg 60
 gccattcaag aatgcatctt atcaatgcct aggtcttatt attgactcaa aatatttaca 120
 ttcctttggt aacagcacta ccacaactta ctgtgcatca gttcaatggt aaggactgac 180
 ctaggcccat acattcattt ttgttaaatt tgagtttgaa aattacgagt tatattgcca 240
 tattaattgg ttatgctgccc actcagtggg agattttaga atagcagt 288

<210> 15449
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15449
 gttttccgag gctgcgggca ggggcccgm cgcgccatcc cgatggctgg aggcgtctga 60
 ggggcggtt 69

<210> 15450
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 15450
 aatcatgttg agtaaggagc aattccatca tttattcttc agcaaact gcttgaatat 60
 atatgtgcaa ccagcgctgt ggaacgtatt agggatttag atgggct 107

<210> 15451
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 15451

0011220" 666E7560

0054399.022400

taaacccatg ttgcgcagaa taaaaaagta tgcataactt attcatccgc acacagca 58

<210> 15452
<211> 84
<212> DNA
<213> Homo sapiens

<400> 15452
atccggtagg gaaatggtcg tgctttcggg ccccgccgaa gtcaccgtga tcctgttaga 60
tatcgaagg accacaaccc cgca 84

<210> 15453
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15453
accttatttt cttgtggcta taagaaaagt cagcacattt gttgacataa ttttcattga 60
aggtaacaaa agtac 75

<210> 15454
<211> 63
<212> DNA
<213> Homo sapiens

<400> 15454
atcaaagtga gtaatctttg tattctgtta catcaaaatc cagatatggt cttgtagttt 60
ctt 63

<210> 15455
<211> 141
<212> DNA
<213> Homo sapiens

<400> 15455
attccagctg cgactgctga gggagaaaat gatgcccgagg ttgggctccc cggcccaccg 60
gccgaggaga ggcctgcgct gcacacgcgc agaccgagca tccgcgtcaa gaggcgaaga 120
gagcgcgcgc tccccacctg a 141

<210> 15456
<211> 98
<212> DNA
<213> Homo sapiens

<400> 15456
tgcagtctcc crsatccagg gcctgatgac atgccccctt gtcccaagtt tcttggaac 60
ccctgaccct gctggcccct ctcatccacc ccaaccct 98

<210> 15457
<211> 99
<212> DNA
<213> Homo sapiens

<400> 15457

tgtcattcat ggaccctgtg gtctcagtag aatttagaag gaagtgaaga cgggagtgaa 60
 ttgatggtct aggggaaaaat ggaagagcag gaggtcttc 99

<210> 15458
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 15458
 cacaatagca adgacttggg accaacccaa atgtccaaca atgatagact ggattaagaa 60
 aatgtggcac atctacacca tgggaatacta tgcagccata aaaaatgatg agttcatgtc 120
 cttttagggg acatggatga aattggaaaa caagcgcaas aggagagaga acccttggaa 180
 gtgaggggta gggagccgga agggatggaa aggcacacag ctctgagca tgaattaaac 240
 catttctcag atatctgcca agctgcatga ggtcccgggc gccgggaggc ttgggcagaa 300
 accctcggga atgcttccga gcacgccgcg cgcattctgta gtcccagcca cccgggaggc 360
 tgaggcaggg gaaccgcccg aaaccaggag gcacagattg caccactgca ctcgagcctg 420
 gtggaagagc gagactccat ctca 444

<210> 15459
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15459
 taggctgagg aggaggagga ggaggaggag gaggaagagg gattggtgat gctgtgccag 60
 ggagacaaa 69

<210> 15460
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 15460
 ataggaggcg gaggcagggg attgcttgaa gccaggagtt ccagaccagt ctgggaaaca 60
 tagcaagacc ttgtctctac ataaaaaagt ttaattatc catgt 105

<210> 15461
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 15461
 gagtgggccc aagcatcaca cacgtgctgg agctgagtgt tctctgagca acatgctagg 60
 atgttacttg ggtgctagaa aacagcaga 89

<210> 15462
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 15462
 agccaccttc tttctatgtc tctgctcagg acctgcctca tattgagaat ggtggtgtgg 60
 ctgtcctcac tgggaagaag gtagtacagc tggatgtgag agacaacta 109

<210> 15463
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 15463
 atagttaggg ttaagtccaa gcagtgaggg ctgacctggg ctctgctctc cttgttgaga 60
 cactaacagg ccac 74

<210> 15464
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 15464
 cctaattgctc tatgtctgtc ctccccttca tagtctaact tgtcttaaga ggtatctacc 60
 tggttgtctt taatatcaca cctcccattt gtccctctgc cctggctctc caaagtgtctg 120
 ggattatagg tatgagccac tgtgctctgc tcaattttt tttttcttta acatttgggg 180
 aaaaaagtgg ggaagaa 197

<210> 15465
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 15465
 aggtggcgcg cgggtccggc gggcggttgg cttgagcggg accggagctg aggcagaa 58

<210> 15466
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 15466
 tttattttcc agcaggctgg gtgcgggtgg tcatgcctgt aatctcggca ctttgggagg 60
 ccgaggcggg cggatcgcga ggtcgggagt tcgaggccgg cctggcc 107

<210> 15467
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 15467
 atgaaataat taaacttata gctattaata atatatctac acaattcaca aaaatatgat 60
 gcccg 66

<210> 15468
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 15468
 gaggttaaat ggttttggca tcctgtaccc taaaaaacat cgattatgta gtatgaaagt 60
 ttataaatat ttagtacgac cga 83

<210> 15469
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15469
tctccgcacc gcatgtaaac agtcccagcc ggcccagccc ggccccggag gagccgc 58

<210> 15470
<211> 65
<212> DNA
<213> Homo sapiens

<400> 15470
cctttccgtc tggcggcags atcaggttaag ccaagatggg tgcatacaag tacatccagg 60
agccg 65

<210> 15471
<211> 111
<212> DNA
<213> Homo sapiens

<400> 15471
tttctctcag catcttcttg gtagcctgcc tgtaggtgaa gaagcaccag cagcatccat 60
ggcctgtctt ttggcttaac acttatctcc ttggccttg acagcggacc t 111

<210> 15472
<211> 67
<212> DNA
<213> Homo sapiens

<400> 15472
gcctagatct aaccattttc atactcttaa ctgattgaaa cagattcaaa gaagtatcga 60
gtgctgc 67

<210> 15473
<211> 92
<212> DNA
<213> Homo sapiens

<400> 15473
cagctttctt cagctgtgaa cattatgaat gggtctcaga tgcacataaa cccagcaaatt 60
aagtctttgc cacctacatt tggcccagcc ag 92

<210> 15474
<211> 54
<212> DNA
<213> Homo sapiens

<400> 15474
caaaaatggg ttggtcggaa gcgaacatta tcagcatttc tgtgcctagg agac 54

<210> 15475

<211> 96
<212> DNA
<213> Homo sapiens

<400> 15475
tagaacttca gggatgaagga cagagtcctg ggtggggcag cggctgcagg gcgcaccaga 60
gaacccagcc agaggggggtg tgactaccag tggccc 96

<210> 15476
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15476
aaggatacat tcttagcatt aaaaaaaaaag ttatataaat atatataatt atatatatat 60
ttgagacagg ggcct 75

<210> 15477
<211> 79
<212> DNA
<213> Homo sapiens

<400> 15477
attttaattc tagatgtggt atctctctgga gaagtatagt ttatagaaac acaaaatatt 60
tgatttcctg tgcgggctc 79

<210> 15478
<211> 85
<212> DNA
<213> Homo sapiens

<400> 15478
ctgtacagcc tgcagaacta gacgggggtt ttccacattg gtcaggctgg tctcaaactt 60
ctgacctcag atgatccgcc cgccc 85

<210> 15479
<211> 113
<212> DNA
<213> Homo sapiens

<400> 15479
ggatattttt aacacaacaa tctgtgctta ttacacaaaa ttactttgtg gtaaacagac 60
agtattgtaa tcccatcaaa agatgaaaga aaaacaaaaa caaaaaccaa ctg 113

<210> 15480
<211> 99
<212> DNA
<213> Homo sapiens

<400> 15480
gctttcccca gagcccggaac tgcggagaac aatatcctcc tccctaacag ataaacagcc 60
cttgctcctc gggataagga ctggcagtc cctgacact 99

<210> 15481

<211> 75
<212> DNA
<213> Homo sapiens

<400> 15481
atttagagcg cagamctgac gggccggatc gccttcgccg ccgcccggcc gcaaaccttc 60
gtgcccggcc cctca 75

<210> 15482
<211> 65
<212> DNA
<213> Homo sapiens

<400> 15482
tgaaaaatca tgatacatc tgtacagtct cagtcccata aaattggatg ttgtgcccac 60
acaca 65

<210> 15483
<211> 103
<212> DNA
<213> Homo sapiens

<400> 15483
actkccgggg gagcggcgcg gcggcgggga ggatctctca ccccgtcact cagggtggcg 60
caatcacgac tcattggctc actgcagcct agacctcca aca 103

<210> 15484
<211> 79
<212> DNA
<213> Homo sapiens

<400> 15484
gatgctcacg ctccggcccc tgctcttctg gtccctgggc tactgctact gcgggctctg 60
cgctccatc cacctgcaa 79

<210> 15485
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15485
actttcgaaa gcagagcgag gagccctcgc acgcgctagt ctgcgagtga gcgctcagcc 60
cggcacctga 70

<210> 15486
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15486
aggatgcaat aagcttgcr a gcgggcggcc gcttccggcc tccttcctc gcragccaag 60
acggctgcaa 70

<210> 15487

<211> 72
<212> DNA
<213> Homo sapiens

<400> 15487
ggaagcgctg gaagcaagat ggcggccgcc gagagggttc acaaaggctc tgggccatta 60
gaggaaggag gt 72

<210> 15488
<211> 77
<212> DNA
<213> Homo sapiens

<400> 15488
ctgtacttgc agaaacttct gtcgctcatg caagggaact tggcactgga aacacaaatg 60
cttttcttgt ccccgct 77

<210> 15489
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15489
ttctcctgat tttgtggatt taaatgtcca aatgcaaacc tttgtgactt cctttggagg 60
acttggcagt ga 72

<210> 15490
<211> 103
<212> DNA
<213> Homo sapiens

<400> 15490
caatctggac tccccagtgt aaaataaaac tggttatatt tagtaagtgc atgtgcgtgc 60
ctgtgtagat tttttactta acgtagaatg aattactgtc ccc 103

<210> 15491
<211> 69
<212> DNA
<213> Homo sapiens

<400> 15491
acgcaactcc tatatttttaaaaattaaga tccaagactt ataaatacat tcctagtttc 60
cagacacac 69

<210> 15492
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15492
catggatggt acagcccttt atgaagcgggt ascgccatct ttatagccca 50

<210> 15493
<211> 59

<212> DNA
<213> Homo sapiens

<400> 15493
ttaactaaga aaagaagaga gaaaatctaa ataacctcat taagaaacaa acgggagga 59

<210> 15494
<211> 267
<212> DNA
<213> Homo sapiens

<400> 15494
ctttttgagg atacaatgag gaatgtcaga atagctagac agtgcagagc tagtgatggg 60
ggaatattga gagaaaatgt tgaaaaggaa attgggctag tttgtcggt aggggcgtac 120
agctgcttgc ttttcttgta taaatttaaa aacctgcttt aaatagcaat gaatgttgat 180
gctgatgctg atatactaac atacacacaa acaggtataa aggggcattc tggcccttca 240
aaacaatgat cttcaacagt aaatgca 267

<210> 15495
<211> 76
<212> DNA
<213> Homo sapiens

<400> 15495
gtttctgact tttttaaca tggaaatatt gttactgcaa aacaactaaa tttcttaaac 60
acctaccatg cgccac 76

<210> 15496
<211> 171
<212> DNA
<213> Homo sapiens

<400> 15496
tcgtaagtca gataaaaatc cagctcttaa gaagtagagg aaatagagct tgggtgtggtg 60
gcatgtgect atgatcccag accagacggg ttaatcctca catgccaaaa tgtaaagact 120
atcaagacta ggaagaaact gcatcaacta acgagcaaaa taaccagctt t 171

<210> 15497
<211> 140
<212> DNA
<213> Homo sapiens

<400> 15497
tctattaatg ggtaataaat tacaagagct tagtggcttt aaacatttat ttattagctt 60
acagttatgt aggtcagaaa tgtgggtgga ctcaactggg ttttctgctt aggggttcat 120
gaaataattc gcacgacgcc 140

<210> 15498
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15498
cggttgtttc tgaagatcga cttaatgaaa ctgaactgac agatttagac ggcaca 56

<210> 15499
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15499
 aagcggctgc tggacgaaga gcgggcccgc ggagctccga gagcgcgcc gccgagggcg 60
 ggagcgcgga aat 73

<210> 15500
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 15500
 ctgtgtggtt ggcaatatca aacctacccc ctccccacaa agtggcatgt tgggtcatat 60
 ttgtccttag gaataggtag ctgctgggaa tccaggaggc ataagggtag gctggggccag 120
 ggat 124

<210> 15501
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 15501
 ctgcgcggat gtagcatgtt ctatgtgttt ttaaacgaag atccgagcga cggctcctcc 60
 ccgaccca 69

<210> 15502
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 15502
 aaattcttta tcttttctgt gtgtttgaaa atttttaaatt aaaatattgg aggaaa 56

<210> 15503
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 15503
 tgaacacctt gaaatatctt ttaaaacttt ctaatgtgta atacaagata agtattcagt 60
 aaattgttgt taatgattta taaaagtcca gtaataaaat taagtattag ggtagattaa 120
 atggcctcca gtctttttcc attgaccttt tctcattgat gataataata gccagc 176

<210> 15504
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15504
 aggaaaaccg gaggagagcg caggaggaaa cagtaccggc tggaggccgg tcttgcagga 60

gcgcgggagg aat

73

<210> 15505
<211> 89
<212> DNA
<213> Homo sapiens

<400> 15505
tagtttaagt aatttttatt acatcatgta ttgctttatt cagtttgaat acatttattt 60
atttatttgc agtatcaacc agaaacaca 89

<210> 15506
<211> 52
<212> DNA
<213> Homo sapiens

<400> 15506
ccgtgtgacc tccaagggg gtgggaactt gatataaacg tttaaagggg cc 52

<210> 15507
<211> 172
<212> DNA
<213> Homo sapiens

<400> 15507
cgcttgaat ccgagcactt atgggaggcc gaggcgggag gatcatgagg tcaggagatc 60
gagaccatcc tggttaacat ggtgaaaccc cctcacaacc tgatcaccac gtaccagaaa 120
aacgccaaaa gaccctcccc aagtcagtaa taattgtacc cactcaccca cc 172

<210> 15508
<211> 186
<212> DNA
<213> Homo sapiens

<400> 15508
tcgtactatt tctatatatt tggtcacagg ctttcttaac attcttagta aatacattta 60
ctgacctatt aattacagaa attcatctag atgctcacat aggttgtgtt agggttctgc 120
agagaaacag aaccaaaaat gtgtatgtgt gcagtgcaca cacatgtaca catgtatatg 180
ggggac 186

<210> 15509
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15509
gcactaggga cgcgccctgt gggggcatgg cgtccgatcg aggcgggagc tcacggggcg 60
ccga 64

<210> 15510
<211> 284
<212> DNA
<213> Homo sapiens

<400> 15510
cattgaaacc tctggtacac agtagcaggc aagcatcatt tcaaaacacc aaggaaaccc 60
cttactctct gctcttgccg cctgagactt ggtagagtga aaatttataa aaaaaaaatt 120
aagttctggc caggtgcggg ggctcacgcc tgtaatctca gcactttggg aggccgaggt 180
gggcgatca caaggtcagg agatcgagac catcctggcc aacatgggga aaccctgtct 240
ctactaaaaa taaaaaaatt tagctgtatg tgggtggcacg taca 284

<210> 15511
<211> 190
<212> DNA
<213> Homo sapiens

<400> 15511
ctcttgtggt taataccagg tggaaccagc aaacatacag agataaaacc ttgtgcggag 60
aagaaaataa taacatttaa aagttcacct tgaccaaaga gacaacctcc agaagaacac 120
cacacatggg aggacccgat gtacacacac acacacacac acacacacac 180
ccctaccct 190

<210> 15512
<211> 273
<212> DNA
<213> Homo sapiens

<400> 15512
aggttgccag tatatgacaa aagtagaatt agtaaactac tacattgagt acactttgtg 60
ttaaatttca tagggaagac gccctacaga aaatttactc aaaaacagct tatgttcagt 120
tttatattca gagcagatat ttaagttaat tattttcaca aggaagagca gaactattct 180
aaggctagtt ctcaaattgc ataaagggtgc aaatcttttc accttcttac taacctttgt 240
tgatttagdt tgtctatttc ttabccccag cat 273

<210> 15513
<211> 89
<212> DNA
<213> Homo sapiens

<400> 15513
agtttgccgc atccggagga gcagcagcag cagtagcggc ggccggctggc gcacgcggag 60
acggacgagc gggcacagac ggcagcgga 89

<210> 15514
<211> 113
<212> DNA
<213> Homo sapiens

<400> 15514
acaccgggtca ggcccggcgc gggctgcgct ctccagctgt ggctatggcc ccagccccga 60
gatgaggagg gagagaacta gggggccgca gcctgggaat ttccgtcccc ccg 113

<210> 15515
<211> 87
<212> DNA
<213> Homo sapiens

<400> 15515

004220"666560

agctgchvcg cgttggggcg gcaggagccg cggascggcg ctgagagggg ctgcggccgg 60
agcgggcggc tgagacaaag gcgacta 87

<210> 15516
<211> 110
<212> DNA
<213> Homo sapiens

<400> 15516
ctcttttccg ccgccgcctg ggaggggacc cgggctgccg ggcgcccgagc tgtgcccgaga 60
tggatgggac agagaccccg cagcggaggc tggacagctg tggcaagcgc 110

<210> 15517
<211> 116
<212> DNA
<213> Homo sapiens

<400> 15517
tgttaatagt ttgttctttt tgggtgttagg tattctctcg tgtgatcatg ccccagttta 60
tttaaccatc ccatagatga tgtttatttt cccttgtaaa gttggatagc gtggtt 116

<210> 15518
<211> 85
<212> DNA
<213> Homo sapiens

<400> 15518
aaaatgctag aggcctgggt ccagcacatg aggccagaaa agagtgtagg tacctgggaa 60
tgtcagtgcc attcagtgtg accgc 85

<210> 15519
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15519
tgaattgtgg ggtgggagac taacttcagc tccaggctgc agtaatgtgt tggtagttac 60
acttgaggca ctc 73

<210> 15520
<211> 243
<212> DNA
<213> Homo sapiens

<400> 15520
aactccaaag catacaaacg gagcaagcgc cagactctga gagaagctcg catgaccgag 60
aagctggaga agcagcagaa gattgagcag gagaggaaac gccgctcggg gtctcactct 120
gccaccagc ctagagcaca gtggtgcaat cacagctcac tgcagcctca aacacttaaa 180
ttcaagtgat cctccacact cagtctcctg agtagctgaa actatagggtg tgcaccatgc 240
gcc 243

<210> 15521
<211> 67
<212> DNA

[illegible]

```
<210> 15522
<211> 66
<212> DNA
<213> Homo sapiens
```

```
<210> 15523
<211> 59
<212> DNA
<213> Homo sapiens
```

```
<210> 15524
<211> 182
<212> DNA
<213> Homo sapiens
```

```
<210> 15525
<211> 97
<212> DNA
<213> Homo sapiens
```

```
<210> 15526
<211> 234
<212> DNA
<213> Homo sapiens
```

5797

<210> 15527
<211> 83
<212> DNA
<213> Homo sapiens

<400> 15527
ggatgttgtg aaccgggtcg cggcggccga ggctcgggtt actcgggagg ctgaggcagg 60
agaatcgctt gaaccggagg nmg 83

<210> 15528
<211> 123
<212> DNA
<213> Homo sapiens

<400> 15528
ccaccactca gaggcaaaca ttgtggggcg ttttcaccac atctttttgc tgtgaatttt 60
aaaaacatga ttgtgattgt aggtaatact gagccagact ctgtggttgt aggttagcagg 120
cgc 123

<210> 15529
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15529
tagggtttgc tcagcttctt gaatctgtat gtttgtttgt tcatttgcaa aaattgggaa 60
cccg 64

<210> 15530
<211> 55
<212> DNA
<213> Homo sapiens

<400> 15530
ggatgtttac ggcggccgag gttggagcgg cgctgctcgg ccgcggaacac aacga 55

<210> 15531
<211> 67
<212> DNA
<213> Homo sapiens

<400> 15531
atggcttgat tgaagggaga aaggggctcc aaattgctcc aaatagcact ctccagacaa 60
cggccta 67

<210> 15532
<211> 89
<212> DNA
<213> Homo sapiens

<400> 15532
aaaaaagccg gagaaggggc ggggtctcag ctctacttc attctacggc cgagaccgga 60
ggatgtyccc tgctcaggag gaggccgga 89

<210> 15533
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 15533
 caagagacat tttcataatt gctttctagc aatcagcttt tatttgcctt aatataagct 60
 ttttaagcagt tatctaacta gtgtccacaa ccttgat 97

<210> 15534
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15534
 acaattttgc agtctgtgct ggactcagca actgattctt ctgcttgtct tgctgccggg 60
 cac 63

<210> 15535
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 15535
 aagtaccaga gcaacgtggg gtcaaatac cacttccgct cgcgctctgt gctgggtgcag 60
 aggagcctcc cgggcgccgg ttacaacaac accttcccct actcctgggg cggttctcc 120
 gacatggact tcatggtgga cgagagcggg ctctgggctg tgtacaccac c 171

<210> 15536
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 15536
 caccagatga aaagcaactg agatatttat ctagtttttg tgatcttgtt tcataagctg 60
 tgatgg 66

<210> 15537
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 15537
 atatattaca ggccgagcgc ggtgggttcac acccgtaatc ctagcacttt gggaggccaa 60
 ggcaggcaga ttgcctgagg tcgggagttc aagaccagcc cggccga 107

<210> 15538
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 15538
 agtctgttcc cggcaccggt tgcgtgtgaa gggacttgag ggcagcgaga tggaatcagc 60
 aagagaaaac atcgaccttc aacctggaag ctccgacccc aggagccagc ccatcaacct 120

gaaccattac gccacca

```
<210> 15539
<211> 93
<212> DNA
<213> Homo sapiens
```

```
<400> 15539
ttacggaacc tagtctccgt tctgtccatg gcctttcttct ggacacttct aggatccaga 60
agagtatggt atcaattctc aagcctagga gat 93
```

```
<210> 15540
<211> 57
<212> DNA
<213> Homo sapiens
```

<400> 15540
kkataaaacg ataaagctaa akkagtggcc atttgtgtct gcttcgggac agcgtgk 57

```
<210> 15541
<211> 86
<212> DNA
<213> Homo sapiens
```

```
<400> 15541
ttattttattg ttgcatcctg aagcttcccc catgctgggc tcagtgtgaa caaacagcgc 60
gggagaatgc aaccactgca gaaagc 86
```

```
<210> 15542
<211> 82
<212> DNA
<213> Homo sapiens
```

```
<400> 15542
agttggtggt aacgctgcag tttaagtgtt cggattccaa gggaaacaga caaacctcac 60
gaaaggaagg aagcaagcaa gc 82
```

```
<210> 15543
<211> 62
<212> DNA
<213> Homo sapiens
```

```
<400> 15543      60  
aacgcggcgc agtagcggct gtgactagcg ggccggccccg ggccaggaca gcgggcggcg  
ac              62
```

```
<210> 15544
<211> 62
<212> DNA
<213> Homo sapiens
```

```
<400> 15544
aaaagaaaagg aaagaaaaag aaaggaaaagg aaggaggaggga agggaaaggaa gagagagcca
ga
```


001399 00400
00420 "666T560

<210> 15545
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15545
agatgctatc ttgcaggcct cactctagag actcaaccca atcaaccagg cgg 53

<210> 15546
<211> 108
<212> DNA
<213> Homo sapiens

<400> 15546
atgttttttc aaatctgtga tatatcaaag tgtaatccat cttttgactg gatgtaatct 60
ccttttaa tc ttaaaaagat tcatgttctc tgaatgatgc caccatag 108

<210> 15547
<211> 87
<212> DNA
<213> Homo sapiens

<400> 15547
ctctcccagg ccaatgcagc ctacctacct tacaagtggc acaggcctgg gcaacccgcc 60
ccccaccccc atcccttcca ccgcaca 87

<210> 15548
<211> 62
<212> DNA
<213> Homo sapiens

<400> 15548
tggcccgcgc tcgcccccca gggcctcatg tcggaaccac agcctgacct ggaaccgccc 60
ca 62

<210> 15549
<211> 53
<212> DNA
<213> Homo sapiens

<400> 15549
ctacaaaaga tgcacattaa atatacaaat agcctgaatg caaatggatg gct 53

<210> 15550
<211> 241
<212> DNA
<213> Homo sapiens

<400> 15550
caatcattag tatcaatcat taagtggaag ttgaagaagg catcaaaca aacaaggatg 60
tttacagaca tatgcaaagg gtcaggatat ctatcctcca gtatatagta atgcttaata 120
acaagtaatc ctaacagcat taaangccaa atctgtcctc tttcccctga cttccttaca 180
gcatgtttat ttatattaca agccattcag ggacaaagaa agaaacctg actaccccac 240

a

<210> 15551
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 15551
 caaaaaaaaa gtcagtccca tctgtcaa at tgcctggaga atgcatttaa caagaaatga 60
 agctacatta aaggccataa aatatgcagc gagggagcga 100

<210> 15552
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 15552
 tcttcttcgt cccgggcggt gcgttccact gctctggggc cggcgccgca ca 52

<210> 15553
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 15553
 tccgtttggt ccagccccgt cgtgcacgca atcggagatc cagatgtgat tgtactgaga 60
 gccaatgcc tttcactcag caatcgtgcc taagaaaaaa aaaaa 105

<210> 15554
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 15554
 acagtggagg tctaaccttt ggtttgcgga sggytcgggt gtattctccg ccgccccac 60
 gccctcgagg tccccgccac cgaaccagcg gcggascggy ccgcgcctcc cgcggcattc 120
 ccgcaccgga s 131

<210> 15555
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 15555
 cacctctgtg ttttcttcta gaagatgcat tttgggtctg agaggagcat tttcctggaa 60
 ggccatcttt taaggccctt gcttgctgtc atagtgcaga cagaaacttg cacactattt 120
 agagagctcc ctcccc 136

<210> 15556
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 15556

ttcgatttcc tcatagtcct ttaagttgac atttctgctt actgctactg gatttttgc 60
gcagaaatat atcaatggcc ca 82

<210> 15557
<211> 94
<212> DNA
<213> Homo sapiens

<400> 15557
catgaactga agcttgtcag caaagacagg aaaataaatt ttgaagatac tcttatagat 60
ttgataaact gaaaaatatg caatgcctgg ggaa 94

<210> 15558
<211> 129
<212> DNA
<213> Homo sapiens

<400> 15558
cagttgtaaa aattgtcatg ttgtaattca ttactcagct aacatttagt ctactcttgc 60
tagtgagtgc caagaaccaa cttggtaagg ttgaggcttt gcaagttaac tgctgggggt 120
ataggatca 129

<210> 15559
<211> 128
<212> DNA
<213> Homo sapiens

<400> 15559
atttacctct ctccctctct ctctccctct cctccccccg ctaccctaac ttgcccaggc 60
accttttccc ttccatccat cttaaaggaa ggaagggacg ggctgagttc cccgacgaga 120
gacacacg 128

<210> 15560
<211> 239
<212> DNA
<213> Homo sapiens

<400> 15560
acaggacaca ggcattggca aagacttcat gactaaaaca ccaaaagtga ttgcaaccaa 60
agccaaaatt gacaagtggg aatctagggg cgtgctcagt tggatgtgaa atctcagcta 120
cagcttcctt ttcttctcta tcaccttggg tctatttgat aatcttccct caccaaggac 180
atgaaaggaa aggacttcta tgagccaaaa aaaaacacat aatttgaatc aacacaacc 239

<210> 15561
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15561
aattcttgag attcctctac tctcgttata tgacctcatg gatgaacttc aggatgttca 60
gtcacagag at 72

<210> 15562
<211> 54

004220" 6667560

<212> DNA
<213> Homo sapiens

<400> 15562
cagcaaatct cccagcaaaa ccagctgaag aagctcagaa gcacagacag caga 54

<210> 15563
<211> 77
<212> DNA
<213> Homo sapiens

<400> 15563
attgtctggc ccctctgtgg aggagctgga aagagagctt gaggcaaaca aaaaagaaaa 60
aatgaaagaa gcacacg 77

<210> 15564
<211> 64
<212> DNA
<213> Homo sapiens

<400> 15564
atattttttg atgcacaaga atcccaaggt ccaattgtgg tctacttattc aagttaggag 60
tgca 64

<210> 15565
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15565
atattggact ctaactctgg tcagccgcgg cgccgggact gtggactcgc ggttcctccc 60
gcccagcgcg ccc 73

<210> 15566
<211> 67
<212> DNA
<213> Homo sapiens

<400> 15566
tcatattttc aggatctctg tcagataacc atttaacctc ttgcatgtct tcaatagtgg 60
gaaatcg 67

<210> 15567
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15567
ggtttgatg ctttgtctgt ggcagctata acagtggtaa gaacattttg aagatagctt 60
tttaaaggaa ccc 73

<210> 15568
<211> 50
<212> DNA

004220" 656ET560

<213> Homo sapiens

<400> 15568
cttgtacaat agtgtgtaca cacacacaca cacacacaca cacacacttc 50

<210> 15569

<211> 114

<212> DNA

<213> Homo sapiens

<400> 15569
aaaactgkyt ttcttcccc gagggaggag cagggagaga gggaggagtg tggtttgagg 60
ccaaacctaa aggtgtcaat taaccagccg cccggccttc gctactccgg actc 114

<210> 15570

<211> 118

<212> DNA

<213> Homo sapiens

<400> 15570
caaagtgcga gtgcctgttc aatttcacag tctctgttga gttcagttgt aaatatgttt 60
caaagtgcac tttcttgagg aaaaaaatct ctacaacatt gtagaatgtg aggggcca 118

<210> 15571

<211> 125

<212> DNA

<213> Homo sapiens

<400> 15571
ttttttgagg tggagtttca ctcttgtcac ctaggttgga gtgcaatggc gtaattctctg 60
ctcaactgaa cctctgtctc ctgggttcaa gggattctcc tgcctcagct tcttgagtag 120
ctgat 125

<210> 15572

<211> 107

<212> DNA

<213> Homo sapiens

<400> 15572
tatgaagtat ttgcccgttc ctatgtcctg aatgggtattg cctagggtttt cttgtttrgt 60
ttttatggtg ttaggtctta catttaagtc ttcaatccat cttgagt 107

<210> 15573

<211> 201

<212> DNA

<213> Homo sapiens

<400> 15573
tgggctccac cccacaggac ctaggtaagg acaggcactt ctgctttcat gccgaaatgt 60
agcattttcc aagaccaccc tggcctgccc tgccccatc atgggcctat aaaaaccaga 120
gaccttagca aggcaggac gcaagcagct ggacatcata aggaacacat cagcagaaga 180
agacacaagc agctggtcta a 201

<210> 15574

<211> 94
<212> DNA
<213> Homo sapiens

<400> 15574
tgaaaatata aaaataactaa ccaaaagaag tctgaggtaa ctatggtaat attaaaactc 60
caagatttaa tgtaggaaat attattaaag gcaa 94

<210> 15575
<211> 94
<212> DNA
<213> Homo sapiens

<400> 15575
atatctgcgc gtgcgcggcg tcgctgctgg gccagtcggg acagaggaga caagatggcg 60
ctgcggggcga tgcgggggat tgtcaacggg gaca 94

<210> 15576
<211> 155
<212> DNA
<213> Homo sapiens

<400> 15576
acaataatgg acatacctta gattaagaca caaatagatt gaaagtaaaa gtgagatcat 60
gcaaatagga gagctggagt aactatatta atgtcagaca gttaagcaa garatattac 120
tagagacagg gacatactgt aatgacaaaa tgggc 155

<210> 15577
<211> 140
<212> DNA
<213> Homo sapiens

<400> 15577
atatgatgga gtctcgact gctccccagg gtggagcaca gtggtgcgac cttggctcac 60
tgcaccctct gcctcctgtg ttcaagcgat tcttgtgctt cagcctccca agtagctggt 120
attacaggcg cgtaccacct 140

<210> 15578
<211> 58
<212> DNA
<213> Homo sapiens

<400> 15578
aggagtcgag tcccaaggca tgcttctgtg tgcttctata gaagggataa accgccac 58

<210> 15579
<211> 70
<212> DNA
<213> Homo sapiens

<400> 15579
tgttttaacc ttatggtaat actttgcttt agtcgttccct cctgctacca gtagcgtttt 60
gaccaccct 70

<210> 15580
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 15580
 atgcacgatt ggctccgcca tccttggtc aacaacaggg tttccaacca ggtctctctc 60
 agccaacttc agttcagcag attccaatcc ctatttatgc accacca 107

<210> 15581
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 15581
 tagtcctatt ttttaaagt tgaaatggaa actgagtgc taattaacat gcctgaaatc 60
 acaatggtga atcatgaatc tcgaatttga ttctagattt tttttgctca ttctgatgtg 120
 ttggttagtc ttgttatagt acagttgtag cacatggaaa tggatgggac catgcatgga 180
 agccagagag tctagagcag ga 202

<210> 15582
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 15582
 ccacgggctt ggaaatgcct tgatctttac tgaccgagtt gtatattgag cctagcccta 60
 gcccttttaa ggggcactgt gtggaatggc ccaggctccc cagatcgaaa cttctcactc 120
 ttcaccatcc a 131

<210> 15583
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 15583
 tgagcgcast ggnacccagc agccgctgtc tccagtgccg cagcagcagg tagtgctcat 60
 agctctcttt gtccagtgtc tcggccttgg tcccagcgcc ctccgcccc a tactgtcttg 120
 gaacatgcag tggagtctct tgtttgagga ggaggtgccg gccttgtgcc agcaagcaca 180
 tgccatgatg atgccacact tcttttatcc atcttctgta ccccca 226

<210> 15584
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 15584
 tctgccacca tgccagtgc cactggatat ctgataacat gggttaaaagt aagaccgagt 60
 gc 62

<210> 15585
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 15585
acgcgcgcga acacacacac acacacacgc acacgccgcg cgcggtcagc tagagtttgg 60
ctactggacc ctt 73

<210> 15586
<211> 50
<212> DNA
<213> Homo sapiens

<400> 15586
agatcaaaat gaattagata aatcaacttc acaaatgtta agcggaacat 50

<210> 15587
<211> 125
<212> DNA
<213> Homo sapiens

<400> 15587
tgccttacta ttgacattaa gaagaagaga agtctttcac aagtcatgaa tgaagaattt 60
ggaatcagcc tcagaatgag atgccataat tattataaac ctgttttggt tgttcagcct 120
ccccct 125

<210> 15588
<211> 60
<212> DNA
<213> Homo sapiens

<400> 15588
ttttaacca tcaagggacc ttggagagtg gccactacac cagctttatc cggcagcact 60

<210> 15589
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15589
catgattatc ttaattcctg tgaagtggca ctctacactc taattaaact tttatctgat 60
gtacat 66

<210> 15590
<211> 74
<212> DNA
<213> Homo sapiens

<400> 15590
ataaacctgc caccaatagt aacaaagtgc tggatgcacc ttttgtgctt atctttgtgc 60
taaattgtgcc caaa 74

<210> 15591
<211> 90
<212> DNA
<213> Homo sapiens

004220"666E960

<400> 15591
 cccagacagt caccctaatac ctatgttact ctctgtatcc ctaaaaaggc ctactaagt 60
 tgttattgat tatcattttg aatggaagaa 90

<210> 15592
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 15592
 gaggttgga atttgagacc aacatggcga aaccccgact ctactaaaaa taacagagtg 60
 gctgggcacg gtagtacacg cctgtgatcc cagctgcttg ggaggctgag gcaggagtct 120

<210> 15593
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 15593
 agatctcatg agaactcact ccctatcatg agaacagcat gggggaaact gccccatga 60
 gaaaatcacc taccaccgaa 80

<210> 15594
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 15594
 tagttttaat cattcctttg aaagtagtga tgtcataatt gtactaatcc acataagcac 60
 cacaga 66

<210> 15595
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 15595
 actacagagt cagatgcagc gacaactttt gtctaaccct gaaatgatgg tccagatcat 60
 ggaaaatccc ttgttcaga gcatgctctc aaatcctgac ctgatgagac agttaattat 120
 ggccaatcca caata 135

<210> 15596
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15596
 cagcaaactct cccagyaaaa ccarctgaag aagctcagaa gcasrgacar cara 54

<210> 15597
 <211> 337
 <212> DNA
 <213> Homo sapiens

004399-0666F560

<400> 15597
catttttctt gatattgtac attttgaaac atttcacctc tggccagacc atgaggaacc 60
aaccactctg cctgccacac cgctcggagc ctggaaactg aggggtcagg ccctttgcag 120
gaagaaaagt ggaaatgcac taagtcaggg tgggtcaaag cagggggaga agggcctctc 180
tgccatttcg gtccaaggt gagctgacac aggcgttcct tttgggactg tggagcatc 240
agatgccagc actgactcag gaacagcaag tcagggcaga gaggaggagg gaggctgtca 300
ggatggaaat acctggactt ttctttgctt ccctcgc 337

<210> 15598
<211> 115
<212> DNA
<213> Homo sapiens

<400> 15598
attcctactc ccagcaacca ctgatctgct ttctgtctct agaaattctc tgtctcgggc 60
cattatttcg tagaaatggg ctcatagaagt tacaagctt tccaactaac cggca 115

<210> 15599
<211> 68
<212> DNA
<213> Homo sapiens

<400> 15599
gaggcgggtgc gacagggatg cgggcacgca gctcgcgccc cggcagccgc agaccagccc 60
ggagcgaa 68

<210> 15600
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15600
tcaagagaaa tgtaggaag tcttcaggac ggggtgagtt actgatctct ctctgctatc 60
agtccaccac ag 72

<210> 15601
<211> 77
<212> DNA
<213> Homo sapiens

<400> 15601
gacagcatct gctacaaaac tgtcccaaaa agaaaagatg ggatacagct ggttatgctg 60
cagtaaaaaa gcaacca 77

<210> 15602
<211> 81
<212> DNA
<213> Homo sapiens

<400> 15602
catataaaag gaatttgag ggtgtcgctt aaaattttat tccacctgta catttgcac 60
tttaaaatta aaattgagct g 81

<210> 15603

<211> 113
<212> DNA
<213> Homo sapiens

<400> 15603
gcaaccttat aaatagtgtt ttccaaactg tgtcccagga ctgcaaattt ttaatgtgaa 60
atgtcttttt ataattcttt cctttaaaaa aaaccaataa aataaaatgc cgc 113

<210> 15604
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15604
acctcataga gttagataga gttgatccca tccaaaatcc agtctttag aatccgcac 60
tgatgaccag cg 72

<210> 15605
<211> 103
<212> DNA
<213> Homo sapiens

<400> 15605
cttcacttcc cagacggggt ggcggctggg cagaggctgc aatctcagca ctttgggagg 60
ccaaggcagg cggctgggag atggagggtg tagctagccg agg 103

<210> 15606
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15606
agtttggggg gcggggcctg gccctctgcc tcgggggtggg ctccgccccg tccccgcag 60
gccctt 66

<210> 15607
<211> 126
<212> DNA
<213> Homo sapiens

<400> 15607
ataaaaaactg ggccgggcat ggttgctcat gcctgtaatc ccagcacttt gggaggccaa 60
ggtgggtgga tcacctgtgg tcgggagttc gaggcagcc tgatcaacat gcgggaaccc 120
cgtctc 126

<210> 15608
<211> 95
<212> DNA
<213> Homo sapiens

<400> 15608
gatttgaccg tccatatatg cagggtttcac atcgcaaaaa taactatattt tgatccctgt 60
ttggttgaaa aatattcata aataagtgga cccta 95

<210> 15609
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15609
taaattgctg aagccatggt aatttatttg tttaatgctg aaaattatgt tcatgcaaca 60
c 61

<210> 15610
<211> 108
<212> DNA
<213> Homo sapiens

<400> 15610
gaagggtcct gtgggtatga aggaaggaaa aggggctgtg gttaagtggg ctgggggcag 60
agtgttttg ggtcatgggg ggtcgccgag ctcccctgaa acgccggc 108

<210> 15611
<211> 59
<212> DNA
<213> Homo sapiens

<400> 15611
ctataaatgt gattaagtca atgaataaaa acattaatgc attggtgata tccagcaac 59

<210> 15612
<211> 311
<212> DNA
<213> Homo sapiens

<400> 15612
atttcccctt ttccttgagg ccatttggtt ttagattaaa atcttattgt tcttggtttc 60
tcatggggcg gttctgttct ctactgaagg aactctgcct ttgtaggtct cctgaatctg 120
agtaagacta ggtaagttga atttctcctt tttcctgccga gaactgagtt ggtcagagct 180
tttcacagac tggtcgaagt cgcagagatg cagcagacca ttatgctgct attaaaaagg 240
cctgggatga tctcaagaaa tatttgagc ccagggtgtcc tcggatggtt ttatctctga 300
aagagggaag c 311

<210> 15613
<211> 66
<212> DNA
<213> Homo sapiens

<400> 15613
cctggtggca tacttttaca gaaatagaaa aaaattctaa aattcatttg aaatctcagt 60
ggaccc 66

<210> 15614
<211> 79
<212> DNA
<213> Homo sapiens

<400> 15614

tatttttttg acagtattct tctttgtatc tcaaattggt ttgcttttta aacattctta 60
 ttttagttat ctggagcaa 79

<210> 15615
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 15615 60
 ttctagttat gcaacaagg atcctttkga gagtcccagg cctattatcc ctttcttttc 103
 aaagggtagg ggtatgataa cagatcctaa aaacacctga aaa

<210> 15616
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 15616 60
 ttaaataaat taatccacga gaagctccta gaatgggtgcc tggactgtg taagtcttgg 118
 ttggcagtca tgattatgtt atggaacgga ggcattccagc ctccccacc ccctacaa

<210> 15617
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 15617 56
 gaggaccgag aagagtgaca gggctgtgag ctctggggca cctcatgcag acggga

<210> 15618
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 15618 60
 gctgtaatta tcggcctttg taaatgttgt tcctctgctt agaacaccct cactaccgtc 63
 ccc

<210> 15619
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 15619 60
 agcggcggas caggcagccc cgcggcggcc gagcgcgctc gcgcattcggg ccctctggcc 77
 ttctttacct agggcac

<210> 15620
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 15620 60
 taaattgact cagggaataa gacaccttta tgacattgag cttttctata gaagaacaaa

ggacatcttc ctatttattc aacattattc tatatccctc agatatgttt taaagttttt 120
 ctcacctagg cggggttagat gagtgataaa atcttctgtc ttttgggctg atgttctggg 180
 acatctggga catctggggg ttcttctgcc cctgtgtcaa gaagcccagg agaagaataa 240
 gcaagactga agacctctgc ctctccattt cctaccaggt gcctcttccc tctaagcacc 300
 cttcccatac gggaatcat caaacatgat tcttttttgc attcgtgtt ttctcta 357

<210> 15621
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 15621
 cactgctata ttcacctgt ttcttagaat ggtgcctggc acatatcaag ttcttgataa 60
 ttattttag tagaatgat tcaagatctc tcttttgaat ttccataccc tacc 114

<210> 15622
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 15622
 tggtaaccca tggccccgc cctgcgggna taacattctc aggagcttct cttgtcctag 60
 cccctt 66

<210> 15623
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 15623
 tgactacaaa gacacaggaa accaagggcc cagtctcccc tccacgtga aatacgcacc 60
 cagc 64

<210> 15624
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 15624
 atccctgect ccctctcccc cctctgtttt tctcccttcc ttccctctcc gaccctcct 59

<210> 15625
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 15625
 aagcaatcct cctgcctcag ccactctagt gggttgaact gcgggcacgt gccaccacac 60
 ctggttagtt tttgtatttt tggtagagac ggc 93

<210> 15626
 <211> 83
 <212> DNA
 <213> Homo sapiens

004220.666E560

<400> 15626
 caatgccctg tctcagagat atttccttca agccaatgat cagaaagata tgaaggactg 60
 gggtgaagcc ctgaaccaag ccg 83

<210> 15627
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 15627
 acatggcttg gaccacata tctcagttgg tggtgtctct ggacctacct caagttcccc 60
 tcacatatta aaaccactca kc 82

<210> 15628
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 15628
 agtccagaca tcaattcaaa actgaagctg cagcaatgaa gaagcagtcata cacagaaa 60
 aaagctaata atgctctcta ccaactacca tgaggca 97

<210> 15629
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 15629
 ttttctcaat gccaaaatat cagaatcaaa atatttttga aattgctaata tggaggcatt 60

<210> 15630
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 15630
 aaaaataacg agaggactta ataaatggca aaagctgtaa attctccttg attcacagaa 60
 ttgcttgaag ggcag 75

<210> 15631
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 15631
 acaattcaga ggctgctgcc tgcttaggag gttgtagaaa gctctgtagg ttctctctgt 60
 gtgtcctaca ggagtcttca ggccagctcc ctgtcggatg gcttttatga aaaaatatct 120
 cctccccatt ctggggctct tcatggccat t 151

<210> 15632
 <211> 106
 <212> DNA
 <213> Homo sapiens

004220"666E4560

<400> 15632
attccccgta gatgcagcgg agtctgagct ctgctgcac tgtcacagca gaacaaaatt 60
aaaaacacaa cagtgaaga gaaacgctgc agactatggg acgcga 106

<210> 15633
<211> 81
<212> DNA
<213> Homo sapiens

<400> 15633
ctacaggcat gcaccaccac ctcttgctaa tttttgtgtt ttttttgag acagcatttt 60
accatgttgc ccaggctggc c 81

<210> 15634
<211> 72
<212> DNA
<213> Homo sapiens

<400> 15634
attaaacaac tcccctttt gttttctcct cagtgaata gaattttgac tccatataaa 60
tcaagaaaca cc 72

<210> 15635
<211> 88
<212> DNA
<213> Homo sapiens

<400> 15635
caccatatag tacaatgtaa tgatagggaa attcagagtt caaagtattt taatgtcata 60
aaccaatttt gagctttaat ggaagaag 88

<210> 15636
<211> 56
<212> DNA
<213> Homo sapiens

<400> 15636
agaggggagc gkrccgcgca scaggcagcg cgtggggcga gcgcggggag agcggc 56

<210> 15637
<211> 61
<212> DNA
<213> Homo sapiens

<400> 15637
aatttttttt aattagctgt gcgcaattgc tcatgcatag tcccagctac ccaggaggct 60
g 61

<210> 15638
<211> 50
<212> DNA
<213> Homo sapiens

004220"6662F560

<400> 15638
agaaggggtg cgagcggcgg cggcggcgga ggctgccatg gacgacgtag 50

<210> 15639
<211> 84
<212> DNA
<213> Homo sapiens

<400> 15639
ttaccttccc tctaacctg gcccaccca ggacggggct gttcattcta gggcataggg 60
gtggtgtgga gcagtggcca ctca 84

<210> 15640
<211> 163
<212> DNA
<213> Homo sapiens

<400> 15640
aagagcttga tttggacaag agaaagaaaa agtggtagaa cctagtgagt gagtggttct 60
gagctgactg tggtcttggg cttcaaatcc tgtgaagata agaggagatg caattcctgg 120
tggtctctaa ttgtcgtgta actttaaaagt tcctagcacc cga 163

<210> 15641
<211> 129
<212> DNA
<213> Homo sapiens

<400> 15641
catcaggata aaaaatctgt aataactaaaa atgttaaata atttcagttg ccaaattttc 60
agttgaaatg tcaatatata atttatttct taatttgcac ggcttttttag gtcatttatt 120
atctgggga 129

<210> 15642
<211> 153
<212> DNA
<213> Homo sapiens

<400> 15642
tacatagata gatagataga tagatccaat tttgagggcc ctagaagttg tgagccagaa 60
cgttggaaaa gcctttttga agagaaaaaa tcaagtgggtt aaatcatatt agatttgta 120
tcactagaaa aaaattttta aacagcacc cta 153

<210> 15643
<211> 217
<212> DNA
<213> Homo sapiens

<400> 15643
atgcttagtg atgttgaaca tctgttcttg tggttggtga ccattcatgt atttatttgg 60
agaaatacat attcaagatc tttgccatc ttttaatctg gttatttatt ttttctgtt 120
tttaaatatt tataatttat tgagagcctt ctgtggaatg gactgttcta agtgaatgca 180
ttaatttata gatctaaact cagccaaaag attcagc 217

<210> 15644

<211> 289
 <212> DNA
 <213> Homo sapiens

<400> 15644
 aaaaaaaaaa aaaaaactaa tgtgttttta tgtatagata catattttag ttacagtatt 60
 gcatctctga cctgtgagcc agaattttga ggctctcatt atccatttgc ctatgtgttt 120
 ttgctggcat gtcattgatct gccactgtag agaaggaata gagttctagc caaatgtgtg 180
 tcctggtcaa gttcctcaac tcacaaaaaa ggatgtcagt ccccgcatca tccccacct 240
 gactataaaa atatgtgact ccaccctagc cagttgcata gctgtacat 289

<210> 15645
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 15645
 ttattttaga cggagtctcg ctacagccacc tgggctgggg tgcagtgggtg caatctcggc 60
 tcaactgcaac tttgtctcct aggttcaagt gattctcccg tctcggcctc ccgagtagct 120
 gggattacag gcacctgcca tcatgcctgg ctaatttttg tacttcagtg gagacggggt 180
 ttcaccgttt gagcgaactg atcttgagct cccgacctca agtgatcctc tcgckctggc 240
 ttccctaagt gctaagatta cagggtgtgag ccaccgcgcc cagcccaatg cagcttttaa 300
 aaaatcaact tatctagtat taacttccag aagttaattt agtgagtcaa caaattagcc 360
 tttttctggc ttttmacata tatecttgta ttgcttttaa atgatttttt taagttaayg 420
 gcagcc 426

<210> 15646
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 15646
 ctgaagatta gtatggtttg gtgttctaac agtatccctt agaagttgga tgtctaaaac 60
 tcaagtaaata ggaagtggga ggcaatttag ataagtgtaa agccttgtaa ctgaagatga 120
 ttttttttag aaagtgtata gaaactatct taatgccaag atagttacag tgctgtgggg 180
 tttaaagact ttgttgacat caagaaaagc taaatctata attaattggg ccaactttta 240
 aaatgaagat gctttttaaa actaatgaac taagatgtat aaatcttagt tttttgtat 300
 tttaaagata ggcattatggc atattgatta acgagtcaaa tttcctaact ttgctgtgca 360
 aggttgagag ctattgctga ttagttacca cagttctgat gathntccct ca 412

<210> 15647
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 15647
 agtgtgaaag gagtcagggc tagaggcagc agagggaaca gcaaagaaga gccgccacaa 60
 tgaaagacgg aacacatttc tacacccagt gactggccag gtcccagagg aaaacaaaaa 120
 atttgacttg aaaatatcga ccttgacat gtccaataaa acaggtggga aacgcccggc 180
 taccaccaac agtgacatac ccaaccacaa catggtgtcc gaggtccctc cagagcggcc 240
 ccc 243

<210> 15648
 <211> 127

<212> DNA
<213> Homo sapiens

<400> 15648
aaaatttaca cacagaaata aaatatattc aagtaaaaaat atagaaatga aagtatagtt 60
atgttgctca aacacttgaa tacttagaga aacttctttt tttttaaaact tgtatttttag 120
vttcacg 127

<210> 15649
<211> 157
<212> DNA
<213> Homo sapiens

<400> 15649
ttccagccat cagaatctga gccaaatcaa cctcttcctt tataaagacc cagcctcagg 60
tcttctgtca gagcaacaca aaatggactc agcacggatc aaattgtgtc tccccaccc 120
ccacaaaaaa ctttatatta aaatcctagc cccaga 157

<210> 15650
<211> 257
<212> DNA
<213> Homo sapiens

<400> 15650
tgatgagtgc tatggaggaa cttaatgaag gggaatgaga gtgccccagc tggagctgga 60
gcagtggcaa ggatttttat ttaaataagta gggtcaggga aggcctccct gaaaagggga 120
catttgagca acatgagcka tgtatgtatc tagggaaaag actctgaagc tggcttgtga 180
cagcaaggag gccagtatgg ctgggggtgga gtcagccagg gggagagagg taggagatga 240
ggtaacaggg tgggaac 257

<210> 15651
<211> 221
<212> DNA
<213> Homo sapiens

<400> 15651
gaaatcagcc tggccgaggt gctgaaactc cgtctctact aagaatgcga aaattggcca 60
ggcatgggtg caggcgctg tgatcccagc tgctcgggag gccaaggcag gagaattgct 120
cgaactcagg ggggtggaggt tgcggtgagt tgagattgtg ccrktgcact ccagcctggg 180
caacagagcg agactctgtc tcaggaaaaa aaaaaaaaaa a 221

<210> 15652
<211> 324
<212> DNA
<213> Homo sapiens

<400> 15652
atcaaggtcg gcgctgcgac cgaagtcgaa atgaaggaaa agaaggcccg cgtggaagac 60
gccctgcacg ctaccggtgc tgcggtggaa gaaggcatcg tggccggtg tggcgtggcc 120
ctctgcgcgc acgccaagcg gctggcgaga tcaagggtga caaccctgac caagacgctg 180
gcgtgaagct gatcctgaag gccatcgaag cccctctgcg cgagatcggt tacaacgctg 240
gtggcgagcc atcggtggtg gtgaacgctg tgctgaacgg caagggcaac tacggcttca 300
acgctgccaa cgacactacg gcgt 324

<210> 15653
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 15653
 tccctgctctg tcccctcagg tgctctgcag gcacagctcc tcggggggcc caggccgatg 60
 gcagggtctta acgtgtccct ctccttcttc ttgcccacct ccgccc 106

<210> 15654
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 15654
 tattaataaga aaaaaatcac tactgggcac ggtggctcac acctgtaatc ccagcacttt 60
 gggaggctga ggtgggcgga tcatgaggtc aggagatcga gaccaccctg gctaacaccg 120
 tgaaaccccg tctctactaa aaatacaaaa aaattagccg ggtgtggtgg caggcacctg 180
 tagtcccagc tactcgggag gcag 204

<210> 15655
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 15655
 aaatacagat cagctgctac tgtgtataca caaccaggga gcaaatcaac cagcacattt 60
 aaagcagcac at 72

<210> 15656
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 15656
 gcggagmngr ccctaccgtg tgccgcagaaa gaggaggcgc ttgccttcag cttgtgggaa 60
 atcccgaaga tggccaaaga caactcaact gttcgttgct tccagggcct gctgattttt 120
 ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtacc 169

<210> 15657
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 15657
 taccttgacg ggatattgtg aggtttgaat aagataatac gtattagcac ctagcatatg 60
 tgaaacatac agtggatact caatatccgt gagttgtctt ttcttccttc cattcattcg 120
 ggagatgctt agggaagcag atataccaga ttcaaaagga tttagaccct cgcttggtcc 180
 ttatgtcctt ttctgtaatg gtattctcac ctttgggaaa tgagaattag tagggaagga 240
 agtgtgcata tagccaggtc ctgtctgttt ttaaataatc cacca 285

<210> 15658
 <211> 238
 <212> DNA

<213> Homo sapiens

<400> 15658
gtcaagtaga ttcttagctg ggtttggtgg cacacaccat taaatttgtg gtttcaacaa 60
ttcactaagg accccaacgt ccataaaaaa tatggagtgt ttcacgagtt tttgtgtcat 120
cttcttcaga agccatgata atctttgtat tccaatttta gtatatgggc tgctgaagca 180
agccccgggt tattcattca catcataatt ttgagtactt agtcatactg gtccatac 238

<210> 15659

<211> 83

<212> DNA

<213> Homo sapiens

<400> 15659
aagactatac tttcagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
gtagagcacc gaaaaccacg agg 83

<210> 15660

<211> 199

<212> DNA

<213> Homo sapiens

<400> 15660
tcttcatata aatggaaaac agattccatc ataggaccca ttcgtctgaa aagggatcga 60
agtgaagtg gcaattcagg atttcagcat gaaacacatg cggaagaaac tccaaaccag 120
cctttcaaca gtgtgcatct gttttccttc atggttctag ctctgaatgt ggtgactgta 180
gcgacaatca cagtggagc 199

<210> 15661

<211> 336

<212> DNA

<213> Homo sapiens

<400> 15661
ctgtcattct gatctgcttt tattgggttg cattcttcaa tatagaagac atctttccca 60
tcaacagggg atgaactayt aaattcctcc taaaagggca gagttaagtt tttctcttta 120
attatcagtg ctcatagtaa gtagttgaac actgatgatt cttttatatt atttcatttt 180
cattttttga gagacagagt ctcatctgtg tgcccaggct gaagtgcagt ggcattgatca 240
tagctcactg cagccttgac ctcccttgatt caagcgatgc tcccacctca gccttccgag 300
taactggggc tacaggcaca tactaccaca ccacaa 336

<210> 15662

<211> 207

<212> DNA

<213> Homo sapiens

<400> 15662
gttgccagg ctggtctcaa actcctgact gacctcaagt gatcttcccg tctcagcctc 60
ccaaagtgtc gggattacag gtgtgggcca caatgcctgg ccccttctgc atccttgcta 120
ttaacatgtc cctatcattt ttttatgaca tccttacttt ctgtagaaga tgttctcagt 180
tcattttatt atttccccac cccagtg 207

<210> 15663

<211> 160

<212> DNA
<213> Homo sapiens

<400> 15663
aagatttcaa agttcctcca agagtgaatg atttgacgt gtgaggacta aaccttaaaa 60
tgtgacaatc ctttctttat tttacaaatc aggttttgaa tcccatcttc tctgccaatg 120
aggatgtttt ttctcagact tctctacata catgcccccc 160

<210> 15664
<211> 209
<212> DNA
<213> Homo sapiens

<400> 15664
agaaggattc cagtgtctga gaggtgtctg gtgggtgtctc cccaggccct ggctcttcct 60
gggcagcagg cgaatcgac tggaggcctc ttcgcttgcc cgttgagcct ggaggagact 120
gactgtctaca gagtggacat cgaccaggga gctgatatgc aaaaggaaag caaggagaaac 180
cagtgtgttg gagtcagtgt tcggagcca 209

<210> 15665
<211> 154
<212> DNA
<213> Homo sapiens

<400> 15665
tgtttcagtt catctacaga tggccgctaa aagctatggg aaattttaac agtgaaatta 60
gtaatctagg gagaaagttg cagttaattc ctgttactct aaatgtgtaa tcagggcgtg 120
gcgtggtggc ccacaccgt aatcccagca ccca 154

<210> 15666
<211> 229
<212> DNA
<213> Homo sapiens

<400> 15666
aaaaacaaaa accacttctc ctccagtgcc cctcaattag acaataggcc tgatttattc 60
ctcacttact tattcatgca gtgcccctga gaggagcatt actgaatcaa aatggaatta 120
actcaacaaa tgtttattga acacctacta tacaccaggc cctgtttcat gtacttgga 180
tatagccatg aatgaaataa gcaaagatca ggaacttct tagccagga 229

<210> 15667
<211> 198
<212> DNA
<213> Homo sapiens

<400> 15667
agaaggaagt ggcctggtgg atacacacct gttctctgca ggctctttcc ttgtcatgtt 60
tctcccctgg ggtttgacg ctggcttttc atttttagta tccttctgaa agaagagaga 120
aaaattttca gcaaagaagg caagtaaaag atgaaaatta aattatgaga attaaaaaga 180
caacattgag cagagaca 198

<210> 15668
<211> 546
<212> DNA

<213> Homo sapiens

<400> 15668
agttctagag ccactgccag ccagtgggtgc cagcatcagc aggcgatggg gctaggaaat 60
ctgtgcagtc ccaggaggct gtgggccagg cagaggggcc ccaggctgcc tctgagattg 120
agtgtgcatt aggggatagg tttggggagc agcccatgct ggtgattttc ttgaaacaaa 180
aatgctggtg cccagcttgg tacagaaagc ctgggagaca ggggtttcaa cttcctgata 240
acagtgtcc aattcggagc ccagatctgg tgctgatgga acacttgcca atggcccggg 300
tcagtgtcga ataggaagaa gagctggcca acttgagtta ttacatctct gccactcaag 360
gtgatgtcag atggagccta tatctgagtc ttctccacat ccacacact caccaatgaa 420
gaatgaacaa tgtgtcagca gggagatcag ctgattcaaa catcccaggt gcagatggga 480
aaattgaggg ccatggctgc tcccttcctc acaccctatt ttagacccta cagtttcccc 546
aagtga

<210> 15669

<211> 402

<212> DNA

<213> Homo sapiens

<400> 15669
gaaagaacag aggagtaggt acaaggggaa atagttttgt ctgacaaaaa ctgcatttgc 60
aaggcctctg ctaattagaa cttttatttg ttaaaggcct aaattatgat taatgagtgt 120
cactttttaa gctggtatta gaaaacaaa agcattactt agcttaatgt agaatcctga 180
ttttaagttt ggaaaatcat atggaattta aatttgcaga agtcagctaa attttgattg 240
ctcagcttca taatatggat atcgtcttat aaggtagcac ctactacctc atctttactt 300
cagaaaggag gatgacagg agactatatg atatagacaa atacactatt tgtctattca 360
tttaattggt ttctggagtg gcatccacag ttagcccat aa 402

<210> 15670

<211> 132

<212> DNA

<213> Homo sapiens

<400> 15670
ctaataaggta tttaggagta gtgggcagaa aatagagctt tctaagctct tgccgtctgg 60
ttagtttaac tgaagaggag ctcttaaaaa acatgccag gtcttctgta ttgtccccc 120
acccttccc ta 132

<210> 15671

<211> 86

<212> DNA

<213> Homo sapiens

<400> 15671
tatacaaaat tgataaatat gtaggttctt ctcttaaaaa gcttctattc tgttgagaga 60
gattaaaaac aaaacaaaa acacc 86

<210> 15672

<211> 274

<212> DNA

<213> Homo sapiens

<400> 15672
ctacttacag atgtttcagt ttaggcatta tccattgacc tcacacatgt gtctgcacac 60

0051399 022400 5555555555

actttctcatt tcttccgccc ctccaatata gttatcataa ttttggttgt atacattttc 120
 agtggttccct ctattataac taggtaaatc ataaactgtg tagtaaatga tagtttcttt 180
 ttcttttctg agcaattttc ctttcctctg gaatgaatac ttgatttttt tctttcttta 240
 gttttctctg tacatatcac taatccagcc ctaa 274

<210> 15673
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 15673
 atatgcatgt aatactttgc agatatgact aatttaagga tcttgatgat gggatattat 60
 gcttaattag ctgggtgggc tgtaaagca atcacaagtg tcctcataag aaggagatta 120
 cagataaaaag agaggaaggt catgtgatag aagcagaggg aaacagagtc atagagagag 180
 gatgctatgc cactggcttt gaatatggag gaagtggcca tgagccagtg aatacagctc 240
 tagatgctgg aaaaggcaag gaaacggatt ctaatgtaac tgtgaactaa gagctagt 298

<210> 15674
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 15674
 tacttaacta cattatcatt gtcttttccc actcacccca agttggaggt tctatggttt 60
 tgtactttta gctggtggtg taattgtcaa gcatgtaaat tctggcattc ttcctggtac 120
 tgctagagca ttgtatttc tatgcatggg ggtaagaagg ctgagagagg atcctggcgg 180
 atacccagct gagaaatcgt cagtggcagc cagtgtgtac atacgtggac at 232

<210> 15675
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 15675
 cttcttttct tctgggtaga taccagtag tgggattgct ggatcaaag gtagttctac 60
 ttttagttct ttaaggaatc tccacactgt tttccatagt ggctgtacta gtttatgttc 120
 ccaccagcag tgttgaagtg ttccctaate accatatcca caccaacatg gccattctac 180
 tgaatgtgaa ttagtatctt aatgcagtaa atttagcaag aactcaaaat catatacaga 240
 aattcattgc ctttttacct accagcaacc 270

<210> 15676
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 15676
 cattctagaa ttgggcaaca ccttattcta taaaatagaa catagcaaac tttaagggtca 60
 aagagacgta gaatttgatt gtgggaattt tgtcaaaaat atcaagggtc aaaaaacttt 120
 accaaagtag gatcacaggt caatgtgaaa taatagtcac ttatctcatc tagagtgata 180
 attaaatggc ttcaaaaaggc aaatgcagaa agttatatag ttgtagaaaa acctgagttc 240
 tttattagag agttttcata agtgatcaga tagaataaag acaacatgaa gcacagggaa 300
 tcatcttgat aaaatgcaga atctttgttt ttttagacca gttacctaag aggtaaagga 360
 aaacctttca ttatttccaa gaaaactaaa tacmcathtt tattatctaa tgtctggctg 420
 gttgcttata catttactgt atatgtaata tgagacat 458

<210> 15677
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 15677						60
ttgtatat	ttt	agatccctct	tttgactct	agctacaaat	ttttgtttac	aaactggtaa
gccccaaat	taa	agctacaaat	ctgttctgac	tggtgtaaga	rsacgggtct	120
aggtgcac	gatt	tggttttagca	agcacacctt	gacttttgta	ttatggtgaa	180
agcaaatg	tgta	atagtgccct	ttaaaaaaat	tcctgtagga	agatattaat	240
gcttagaaaa	atcag	ttgattaata	aatcatctat	aaaaaacctg	aaatattttt	300
caactttcat	ttcct	gtagtaaagg	cagtaactgt	ttaaactgaa	atcaaataaa	360
gtaatttgca	cctgga	agcctttcta	aaattatttc	tgtagtttct	agccacatga	420
ttgaraaaata	caataa	atattatggt	attacttctc	atttgcagtt	tttataaact	480
ttaaagcaac	ttcagag	tgct	cttctttctt	ccctcc		526

<210> 15678
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 15678						60
catagacaga	aagtaga	atg	gtgtcttaca	gaggttaggg	ggctgggtgg	atagggattt
attattta	aat	gggtatagag	tttcagctgb	ggaaag		96

<210> 15679
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 15679						60
cagactttga	taatcac	atg	tagcgtctgc	atctgaaatt	gtttttacat	ctgtcccacc
tgcacccttc	accccagg	ct	gttagtttct	tgaggacaag	gacttcatca	ttttcaaaca
ttattgggtca	aataaat	gaa	aataggct	gcaaa		155

<210> 15680
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 15680						60
taaggattat	tttga	gttt	ctcttatcca	aatattcacc	catagggatg	gctaaactca
gaactttcag	ttagaa	acaa	agttctacag	aaaattttct	ttaaattggt	ttatacctta
tagttgggtt	ggagct	tttg	ttttcttatg	ctgtaataat	gggtcactgg	aagattagaa
gaggcagccc	cctgtcat	ga	tgctggctgt	gtacaagaga	ttggaacaag	ggctatgtgc
acagtcacga	aaggggag	gt	tctttatcgt	atattcgatg	ggaatgcagg	tcagtgga
a						301

<210> 15681
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 15681
 tattaatcac cctgagagcc ctgcaccgtg gcttatgttc cccatttcca gagaaggtaa 60
 ctgggacttg gaaagggttac agaattaccc aaaggcactg ggtagcccc ggggggaatg 120
 aggattcaaa tctggttcag tgcttggtct tttagctaca ctttgctggc cacaaataat 180
 acgtattacg tggacgaaat ttcccatctg taggatggtt tcagcacatt tttaaattgg 240
 ggtgggggag tagatacttt tcagtgtctt ttttcacttg gtccaatttt aagcatcttt 300
 ttaaaagcca gttcatctaa ggcccca 327

<210> 15682
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 15682
 caaagatggt aaccaagagg ccaaattgct gatgtgactg gacttgccca ggtgacccag 60
 gacctttgcc gatggccgag gcctctcttt gggctggttg tgccattta aaatggggcc 120
 cacagtgagc tcaaaacctt catcccttcc ctagggtggc cggaatctg ccgtccacat 180
 ggagccgggg aggaggagag actctgattt gctggaagga cctcattcat ttccatccaa 240
 ccccg 245

<210> 15683
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 15683
 tgcttctgt gatgttgtaa gatgatgcat gatagtttcc aaagcacttt tacacctaag 60
 accttatttg caggagttct taactcaggg gatgggcaga aggaggccca gggagaggag 120
 gtgacttttt ttgtggtcag aaagcaccaa ttgtggcag aatcagaact agaaccacc 180
 tctccacaat ttctgctggt tgctctttcc tgacatgatg atccgc 226

<210> 15684
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 15684
 agaacagccc tcccatcccc aacaaattat ccagcccaaa acgtcaagag tgccaagggtt 60
 gagaaacttg ctttaataa atataagaac aaagtacat tcctggacaa agctctcgcc 120
 tttcacagga tcttatactt tcttcacaaa actttacaat gttctgcaaa ttacaagtgc 180
 aagagaacct acaaatcccc cact 204

<210> 15685
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 15685
 catttacta atggctaag atgtattaag tgtcttttct tgtgcatatt ggtatttcgg 60
 tggagaaata tctatgcaaa ttttttgccc aataattttt ttttttttt t 111

<210> 15686
 <211> 141
 <212> DNA

<213> Homo sapiens

<400> 15686
 tttttttttt ttttttctga gacagagcct cactccgtca ctcacgctgg agtggctgtg 60
 gcatgatctt gcctcactga aaccttcacc tcccagggtc aagcgattcw cctgcctaca 120
 gcctcctgag tagctgggaa t 141

<210> 15687

<211> 353

<212> DNA

<213> Homo sapiens

<400> 15687
 gccatagaag cacttggaag taaagaaatc aggaacatga aattcaggtc tagctgggta 60
 tttattgcag caaaaggctt ggaactccct tccgaaattc agagagaaaa gatcaaccac 120
 tctgatgcta agaacaacag atattctggc tggcctgcag agatccagat agaaggctgc 180
 ataccctaaag aacgaagctg aactgcagg gtcctgagta aatgtgttct gtataaacia 240
 atgcagctgg aatcgctcaa gaatcttatt tttctaaatc caacagccca tatttgatga 300
 gtatthtggg tttgttgtaa accaatgaac atttgctagt tgtatcaaat ctt 353

<210> 15688

<211> 174

<212> DNA

<213> Homo sapiens

<400> 15688
 acccgaggagg tggagggtgc agtgagccga gatcacgcca ccgcactgca acctggccac 60
 tgcacgccag cctggcgaca gagcgggact tcctctcaaa aacaaacaaa caaaaaacag 120
 ggactgatt tctgaattat atgtctccct attcrgagtc tttttttttt tttt 174

<210> 15689

<211> 194

<212> DNA

<213> Homo sapiens

<400> 15689
 tttttttttt ttttgagacg gcgtctcgct ctgttgccca ggctggagtg cagtgggtgg 60
 atctcagctc actgcaastc cgctccccg gttcatgcca ttctcctgcc tcagcccccg 120
 agtagctggg actacaggcg cccgccaccg caccgggcta cgggggttca ccgtgttagc 180
 caggatggtc tcaa 194

<210> 15690

<211> 254

<212> DNA

<213> Homo sapiens

<400> 15690
 catagtctct tttttttttt tttttttttt tgagacggag tctcgctctg tcaaccaggc 60
 tgtagtgcag tggcatgac ttggctcact gcaacttctg cttcctgggt tcaagccatt 120
 ctctgtcttc agcctcccga gtagcaggga ctaccagcat gtgccaccac acgcgggctaa 180
 tttttgtatt tttagtagag acagggttca ccatgttggc caggcttgct tcaaactcct 240
 gacctccagt gatt 254

<210> 15691

004220" 666EFS60

<211> 207
<212> DNA
<213> Homo sapiens

<400> 15691	
gttggccagg ctggtctcaa actcctgact gacctcaagt gatcttcccg tctcagcctc	60
ccaaagtgct gggattacag gtgtggggcca caatgcctgg ccccttctgc atccttgta	120
ttaacatgct cctatcattt ttttatgaca tccttacttt ctgtagaaga tgttctcagt	180
tcattttatt atktccccac cccagtt	207

<210> 15692
<211> 139
<212> DNA
<213> Homo sapiens

<400> 15692	
tcatagtga aggcgacggg gaagtagaca cgtcttcata tggccagggc aggaggaaaa	60
gagacagtgg gaggtgctac acacgtctaa acaccagatc tcacgagcag tactcacta	120
tcatgagagc agcaccaac	139

<210> 15693
<211> 368
<212> DNA
<213> Homo sapiens

<400> 15693	
aggttcagga gctgctcttc tatgagccac ctccggcaca gtgctctgtg cccatcatgt	60
gtccttcccg gggccctct tcccagtctt tgctgtggcc gatcagacca tttctatcgt	120
ccgctgacct ctggccacag gaagccaggt ccaccgcccc ccacccttc aggccatgtt	180
tctactcagt gtgcttttcc caaatgatgt gtgtggtgtt tctaagagaa acagggccca	240
taaccagtgg gcagcttttag gagggatggg gatctgtttc agatctaggc ataacctgta	300
aatcacaggt gtccaaactt ttggcttccc tgggccacat ttgaagaaga attttcttgg	360
gccacgcg	368

<210> 15694
<211> 126
<212> DNA
<213> Homo sapiens

<400> 15694	
tgtagtgctg tttccatctg tttcatatat gtgctgatct gagacctgca tagtggtctc	60
tccattagtt ccaatttgga agcctttggt acggaatagc gtcagatcca tgcatatgca	120
gcctag	126

<210> 15695
<211> 348
<212> DNA
<213> Homo sapiens

<400> 15695	
tatttattaa aaataatagg ccaggtgccca tggctcatgc ctgtaatcgc agcactttgg	60
gaggccaagg agggaggatt gcttgagccc aggagttaa gagcatcctg ggcaacatag	120
caagactctg tctttacaaa aaaatttttt ttaattactc aggcacgggtg gtacatgcct	180
gtagtctcag ctacttgga ggcttggtg gaaggatcac ttggggcccg gaggccaacg	240

ctgcagtgag cacttaagcc tgggcgacat agcaagaccc tgtctccaaa aataatgata 300
 ataatacctg gcatcaatat taaggagcag ccatggatac asgcagca 348

<210> 15696
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 15696
 gtagggagga gggcgggtat tgatgcttta cagatctgca ctgctggagc ccaaggaaag 60
 aggcagagac aagggtcctt taggcagcct cgccgcaag 99

<210> 15697
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 15697
 attatatgaa tggtttgga tctttttgca ctgagcaatt ttatttcagg cttccagctg 60
 tccctgtgag ttatcctgga catttcgatg gtttttgga aggccaaact ctgataagca 120
 aaacagagaa tactgacgta tacttaacca tatgtgtaac tgatacttgg caccaat 177

<210> 15698
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 15698
 tataagaata actacttcta ggccggaagt ggtggctcac acctgtaatc ctagcacttt 60
 gggaggcata ggtgggtgga ttgcttgagg tcaggagtkc aagactagcc ttgcaaact 120
 ggtgaaacca tgtctctgct agaatacaaa aattagccag gtgtggtgct cacgcctgta 180
 atcccagcta cttgggaggc tgaggtggga gct 213

<210> 15699
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 15699
 catgattgca tctgtgaaga gacactgcac tccagcctct aacctggcac aggaagaccc 60
 tgtctcaaaa aaaaaaaaaa a 81

<210> 15700
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 15700
 aaaaaaaaaa aaaattgaga aagtatatgc caggtactgg agaaatagca attaagagat 60
 taagtttgcc ttcattgaaa aaaggggaaa taacaaatat ataatttcaa gtattttata 120
 taaatataca trrtgatgat tatacataat tktaggtaat aaaaattcta cattrgtata 180
 aaggatgtat attagaaaat gggaagggtc agataagggtg gttagagaag gcattgckga 240
 ggt 243

<210> 15701
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 15701
 aaacttgcaa tcatggtgga aggggaagag gcaagtctta cgtggtggca ggtgagagaa 60
 agcgagcmag agcaggaa 78

<210> 15702
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 15702
 ctgggttwt gggarragct gggtatcaaa gttacatgaa accacaaggt aatcatggca 60
 catattcctg gtatatgtwt cttctttgtt ttgaagattg gcggcagtga ggaaatgaac 120
 gtaaaccatgt atatattatg aggtagaata caaatTTTTc ataatatTTa aagctctaag 180
 tggagacttg aaagaaattt tgagcttgag gtaaagggtgc cccaagatcc cttgggtata 240
 tggttacttt cctcctgggg cctacttgag aaacactgct gagttatgtt ttgctttctc 300
 aaggcttttc tagtaaagaa aaagaagcca aatcttactt ttgatgacat tgaagggttg 360
 atcaggacta tatattgcat tgccttgtaa ctkgtttat tcttacattt cttagtttat 420
 cccacctagg ggagtagtta attcatttta tcattatgtc amgagagcc 469

<210> 15703
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 15703
 tgataaattg taggttacc agttgtgcag attctgggag tggctcttagc atatacctat 60
 gactctkaat tttgagkktc ggttttactt gactttcagt acctccatt gctgagcctt 120
 ttgaggattc tcttatgtat tcataagtgt gattctcatt tttccagtga ctcatTTTcc 180
 ttgtatttgc tttgaaattt cttgtagttt tctcatttca cattctcttt gacctaatTT 240
 ttatgcagaa gccaaataatc aaaagaaatc tttgtattct tacagggata cctttccgta 300
 aagatgaata aaatgtgtgt tttgatgtgc catttgacat tttctgtcag atctgttgaa 360
 atctttctca aatgtctcct tctaccttag gcatttaatg atgcttccaa ccagatatat 420
 catcttctga aaatctttct tcttactttg gaaatttttt cttctctttt gagactcttt 480
 tacatcttat gttatttcta tttgaatgct tttcttacac tctgccctcc tctgtacacc 540
 agacac 546

<210> 15704
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 15704
 gaaatcagcc tggccgaggt gctgaaactc cgtctctact aagaatgcga aaattggcca 60
 ggcattggtg caggcgcttg tratcccagc tgctcgggag gccaaaggcag gagaattgct 120
 cgaactcagg ggggtggaggt tgcgggtgag tgagattgtg ccrktgcact ccagcctggg 180
 caacagagcg agactctgtc tcaggaaaaa aaaaaaaaaa a 221

<210> 15705
 <211> 166

<212> DNA
<213> Homo sapiens

<400> 15705
cagtcgtttc agcaccgttt cttctagaga ctgtttgttc cctattgaat ggacttgga 60
cccttattga aaatcagkdg gtcctggata tatgggttta tttctgtact ctcagttcta 120
ttccattgat ctatatgtct gtccttataa caatcctata ctgggt 166

<210> 15706
<211> 406
<212> DNA
<213> Homo sapiens

<400> 15706
ttccaacgta tctttatggt aatgatttct gatttaattc cattttggtc agagaacata 60
ctttcaatgg actttagtgc ttctatttaa atatattaag gtttgtttg tggcccagaa 120
tggtgtctct attggtaaat gtttcttgta cacttaaaaa atgtatattt tgctgttttt 180
tagttgttac aagcatgatg ataaacctgg tccatgtgct gacatgttga ctataagtgg 240
acatttattt tttttttaat ttagatgtgc tcacatacta taaaactgac gcatcttaag 300
tgttcaattc ggtgggtttt agtgattttg taaagttgtg gagccatcac cactatttaa 360
ttcctctaatt tttatcatct gaaaaagagt accaattatc agtcac 406

<210> 15707
<211> 329
<212> DNA
<213> Homo sapiens

<400> 15707
agcagacaaa gaaaaaagtc acaaagatga cagtgaatta gacttttcag ctctttgtcc 60
taagattagc ctcacggttg ctgccaaaga gttatctgtg tctgacacag acgtctcaga 120
ggtatcctgg actgataatg ggaccttcaa cctttcagaa ggatacactc cacagacaga 180
cacttctgat gatcttgacc gaccagtgga ggaagttttc tctagagatc tttcagattt 240
tccatctcta gaaaatggca tgggaacaaa tgatgaagat gaattaagcc ttggtttgcc 300
cactgagctc aagagaaaaga aggaacccg 329

<210> 15708
<211> 139
<212> DNA
<213> Homo sapiens

<400> 15708
tagaaacttg caggttagat gtacattcca ggtgattcat gtgcgtacta atgtctgaga 60
accactgggt taggggggta ggggaagaag atgtttacat caaaatgctg atagaattat 120
caaatctaaa aaggggaat 139

<210> 15709
<211> 160
<212> DNA
<213> Homo sapiens

<400> 15709
ctagagttca ggctctggg atcaacccca gactgggcca gaatgttagt gaaggtttta 60
ttgtgcccg ttggaggata acgttctttg ggtactttt gtgggttgca aatgaactca 120
attgccacaa gttttaact ggtgtaaadc aagcttgaca 160

09513959 "022400

<210> 15710
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15710
ggcagasgtt gcagtragct gagatcatatc cagcctgggc aatggagcaa gactcttctc 60
aaaaaaca aa 73

<210> 15711
<211> 396
<212> DNA
<213> Homo sapiens

<400> 15711
cagattcaga agcgncaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 60
aaggattatc tttcccagtg tcaacakgaa caagaatcth wtatagatta taaggatatgt 120
accactaaca gtatttaaaa taattgttag taattatttt gcttattagt tagagcttat 180
wgtrmttatw agtgcagatt agtaaakcag taataatgct gatcattggt gaattgagta 240
cgggtatnta gtgtgwccta gwcattgtca tgagtgtacc atatagagta tttctcttwt 300
tctcacataa tgtgaattaa gcaattactw acttttatag gtggaaaaga ggttttagaaa 360
agttaagtga ctttmtcaag gtagcaactg gcacca 396

<210> 15712
<211> 177
<212> DNA
<213> Homo sapiens

<400> 15712
gaaatcagcc tggccgaggt gctgaaactc cgtctctact aagaatgcga aaattggcca 60
ggcatggtgg caggcgccctg tgatcccagc tgctcgggag gccaaaggcag gagaattgct 120
cgaactcagg ggggtggaggt tgcggtgagt tgagattgtg ccattgcact ccagcct 177

<210> 15713
<211> 199
<212> DNA
<213> Homo sapiens

<400> 15713
taatcaagat gctgggtttc atactaatgg tacaggacat ggtaatttaa ggccaagaaa 60
gacaaggcca ttgaaggccg agaatcctta cttgtttcta cgagggtttgc cttacctagt 120
aatgaagat gatgtacgtg tctttttctc tggtttgtgc gtggatggag taattttctt 180
aaaacatcat gatggccag 199

<210> 15714
<211> 272
<212> DNA
<213> Homo sapiens

<400> 15714
tttagaggga gctgtgagta cgcaagtagg gtcagagcaa cagaacgtgc tgcctttgaa 60
gatagaggaa aacaacccat aaggatggag tgcaatggtg caatcttggc tcaccacaac 120
ctccgcttcc cgagttcaag agattctcct gtcttagcct cctgagtagc tgggattaca 180

gttctgtttt tgccttggga ttttgaagat ccattttcag gaggaaccaa tggagctctc 240
aaacctgccca ggactatgag tgatggaaac gc 272

<210> 15715
<211> 336
<212> DNA
<213> Homo sapiens

<400> 15715
gagcatggaw aggggtcccgt cacagtgacc tggcagargg actaaaatgt gagtctgcag 60
ctgtggccta agcgggggtat tggtcagcag tgatcagttg ttcagattgg gaagatcgta 120
tcatttccag ttggtaccac aaaagaaggc gctatttata acagtgtggg tggttgccac 180
tgacagttgt ttctcacata ttctaaggca tttcctgatg aagtcacgtg cagcataact 240
tttgaaatga aatggaaata tcaccatgaa gggttgtgtt tatggctaata ggaattggga 300
aagggccact cttaaagata tacctgggtg taccct 336

<210> 15716
<211> 221
<212> DNA
<213> Homo sapiens

<400> 15716
ccgaagatat tcttttaagt ttggctgttc atatttagca atttgaaatg ccaaaatttt 60
gtaattatat catgaagaag ggaactaatt ttactttttc ctttaaagaa ctggccagtt 120
tagtactatt tattgagtag ttgatcggt tctgcactga tctgattttt taaaaatttc 180
ccgttatctt ttatgtatct agttctatgt tttgaggcct c 221

<210> 15717
<211> 289
<212> DNA
<213> Homo sapiens

<400> 15717
aaatctaataa gggcctatct tttaacatttc tagaactaat aaaggggttt agtgtagtca 60
gcaaatacaa aaggtcaatc atttactttt aaaaaatgta tgtatttaag gcatacaaca 120
tattttgata tacatagtca aaagattact ataatacagc taattaacat atctgtctcc 180
tcacatacct tttaagtgtg tgtgcgggtg gagtacctga tatctactct tagcaaattt 240
tcagaatacg atacagtatt aactgtagtc atcatgctgt actatggat 289

<210> 15718
<211> 202
<212> DNA
<213> Homo sapiens

<400> 15718
cataacagat ttgcagggtg gtttcttgta caatctcccc atgcctatta gttttgcaag 60
tgaaagaaat tgaggccaag agaaacagac tggtcgcaag tttttaaaca agagtgggtt 120
tgctctact gatccacatt ccttggttga gtcagggtgg aatcccagtc tccaggactc 180
tgtccactgc ctccggaacc ta 202

<210> 15719
<211> 128
<212> DNA
<213> Homo sapiens

<400> 15719
 cccagggaga ataatcacgg gggggggggc actcaagatg atcagcacta gccagcctt 60
 ctcccaggct ggggtaaggg tttcctgggg agtgctgaag tgcacttgaa cttgtcaat 120
 gactgtct 128

<210> 15720
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 15720
 caaacaaaat tgtttttagt ttttgttgca ttaaattaaa ctcttggtgca tcaaaaaaca 60
 ccattaaatg aaaatataag ctgcagactg gggaaagaca cagg 104

<210> 15721
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 15721
 ctgtagaagt ctttatgtct ttgagtcctg cttgtgtgtg taaatgtcct at 52

<210> 15722
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 15722
 cttttctggt ttgtttgttt agtagccaga actctgccag gccaaacaaa cgatgtagtt 60
 gatgggacag agtttgccag ggttgtcggc tgtgtgaagg tgtgagcggg aactccatgt 120
 tctgaacaac agcagtcggc tggggaagct ccaatgtcca ggctcagaga agcggactgg 180
 gtaggcgggg tacgaagctg atggaaaagt acccagctgc ctctcttca gttcttcagc 240
 ctcaccgtgt gcgggagacg tgtcgtc 267

<210> 15723
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 15723
 tccaatttct tcacatcttt tccagtattt atttttcac ttttttatta taggcattct 60
 agtgggtgtga agtgggtacct cattgtggtt ttgatttgcc tttccctttg atgttgacca 120
 tcctttcatg tgggttactgg ccattgtcta tgttcttaga tgaaaaacct ggtcgttatc 180
 ctttgaccat gttttaattg attgcctttt tgttggtgat ttgtaagagt tctttatata 240
 ttctgaacaa gaatgtattt ttttacctt ttttcataaa ctttgttcta aatcttgtat 300
 tctttattgt ttctgtttta aaattttgtt ttatcagctc ttttctcaag aatttactat 360
 atatattagt atcatatttc tgtattccaa tcttgttttc atgattt 407

<210> 15724
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 15724
 taatattttt agctttgaga ttttttattt tagattgaaa tatttctatt ttttatagaa 60
 aaacaaatga aaactaaagg aaatttccca tctctttaga attaacctta attcctttta 120
 ttgagtattt attactctgt atgaaggaaa aaacattttg aaatgctttt cataaatctg 180
 tctcttgctt atgtgtagt gatggggcat ccacggctct atttgagggt cagtattttg 240
 aatcagatac atttgattc tttataaaca tgggtagggt catttagctg tgcaccattt 300
 aaagtcatat tgaattaaac attgtttttt attttatttt tatttttgag acagagtctc 360
 atttagtggc ccaggctgga gcagcgtgat cttggctcac tgcagcctcc gccctgggt 420
 tcaagcagtc tcctgc 436

<210> 15725
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 15725
 cagtcgtttc agcaccgttt cttctagaga ctgtttgttc cctattgaat ggacttggca 60
 cccttattga aaatcagttg gtcctggata tatgrgttta tttctgtact ctcagttcta 120
 ttccankgak ctatatgtct gtccttataa caatcctata ctgggtttkt tttttga 177

<210> 15726
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 15726
 gtgcagttag ccgagatcgc gccactgcat tccagcttga gcaacagagc gaga 54

<210> 15727
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 15727
 tataaataga ggcaagggtct tgttatgttg cccaggctgg tctcgaactc ctaggctcga 60
 gggatcctcc caccttggcc tctcaaagtg ctggattaca tgtgtgagcc accccacctg 120
 gcccagctc tcttaattgc cagcactcct cttggaagtc cctcatcttg attaccttat 180
 ttaaggtcac ctctcacag gccact 206

<210> 15728
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 15728
 ctttaataaa tgccttaacg ggctgggtgc ggtggctcac gcctgtaatc ccaggccgag 60
 gcgggtgat cacagggtcg ggaggtcgag accatccagg ctggcacggt gaaaccccg 120
 ctctactaaa aatgcacama aaattggccg ggcgtggtg cgtgcgcctg tagtcccagc 180
 tactcgggag gctggggcgg gagaatg 207

<210> 15729
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 15729
 attttatagt tctttggtaa agttaatfff tccccttata tattttgctg gcaagaacat 60
 ttgaatgatg attacaaaat agttgtataa tgacaggcat attagcggtc ttcaaatatg 120
 tgagttggcc atagcctfff gatttagtag accca 155

<210> 15730
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 15730
 aagttctagg gtacatgtgc ataacgtgcg ggtttggtac atatgtatac atgcaccatg 60
 ttggtgtgct gcacccakta actcgtcgtt tacattaggt atatctccta atgctgtccc 120
 tccccgctcc ccccaccga 139

<210> 15731
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 15731
 tgcattgccac cacttaggaa agtataactt ttttcaaaat ctttgctfff cagatgaaat 60
 acctgtcaca aagagaacat taaaaataaa acaagagtct tctgaagaag cacagtaagt 120
 agatgcttca cctttccaga aagtgtgtct gcctaagttt aatgaccatt gggaagatca 180
 gaaaatattt agacatatta tgaaagttcc ggccataaa 219

<210> 15732
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 15732
 ctaaccacca cccccccgac acacggtaac tatatgatac agtggatgta taatttactt 60
 ggctgtagta atcactttac catgtaagtg tgtatcaaaa catcatagta tatatatctt 120
 aaatatgtac aataaagaag aaaaaaaaca gycccacc 158

<210> 15733
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 15733
 gaaaaggccc agcgcggctg cgtgtgtaac tcaggacgcg gctgckytgg gcgcccgcgagc 60
 gcgtdctcag gactgcggcc cggagttcac tgcgaggact gggatcacc atcatcccgc 120
 cctgggtctac ggaaaatgac aagtgtttac tgatatagaa acggaataac ggcgctgtgg 180
 gctggggaag gccgagctgc cttcaggttt ctgggctcca gctgcggggc actcacacct 240
 gccgctgtga aaatgcagac ccgcggggca ggaattccga gtccgggctg gagegcgatc 300
 tggaatctga ctgcgttgaa acagcaccgc ggtggattcg gagccgggtg agtagggaaa 360
 ggcgcctcag cccctcccgc aggcgcgcca ctgattccag gatccgaaaa cgcttccagc 420
 tgctccgtca cccaggaag gcagcgccc cctctgggag gttctgggtg aaacgggtccg 480
 ccgcccgcag gaaaactcac aactaaggga ccaggaaaa gcctctcagg gtcccgcgccc 540
 ttcagtgagg atcctaattt acaccccgat 570

<210> 15734
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 15734
 atctaggggc tgctgggaag atggcggact cggtaggctag ccgatgagga ggccgcgggg 60
 ggaacccggc ccccgggccc cgagaccgac tgagggagca 100

<210> 15735
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 15735
 aaaaaaaaa aaatttaaaa catgctcctt ataggggtata tcagtagaaa gcagaaagac 60
 gaacattcct aagaagcccc taacacacac gtttrcagtc agttaatgat caccctcctc 120
 ctagactaca aaaaagaaat tattatadt 149

<210> 15736
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 15736
 ctctccgcc gaccgccgcc gcgccgccat catggacacc agccgtgtgc agctacgaac 60
 gggaccggag gaagcagcgg gc 82

<210> 15737
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 15737
 aagaaattgt ggtatattta taccatcgaa tattattcag ccataaaaag gactaaaatc 60
 ctgtaatttg cagcaacatg gataaacatt gagggcatta tgctaagtga aataagtcag 120
 acagggaac 129

<210> 15738
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 15738
 ctttgatgt ttgactctg ggaarsaaaa ttaaaagtcc agttcagtat agtttgaggt 60
 tacattagt gacctggaca ctgattgatc cgagcttcct atgggaaaag tagttgggag 120
 agccagaatc acgaagggac tgggccatat gggagggact gaaggagaca ggagataggg 180
 ctcacctacc agaaggagcc ttggaggaga gcggacttgt tctccatggc cagaaagggg 240
 aaagaagttg tagattttgt cataacttga ggtggagcgt ttacagccat gcaggggtgg 300
 acccgggccc tgagaaggcc acgaatttcc tgtccctggg ggtattaaga aatgggatta 360
 gattaatatc tggggttcc ttcaatcctg atttgagacag tactgttaga tccagtgaga 420
 atctgagata cccgatgtta gcctctgttc ttgggtatct aggcctgccc aaggtatcct 480
 gggaacttca gata 494

<210> 15739
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 15739
 atatattttt tgagatggaa ttttgttcta gttgcccagg ctggagtgca atggtgcgat 60
 ctcaactcac tgcaaccttc gcctcccgga ttcaagcaat tttcctgcct cagcctcctg 120
 agtagctggg attacaggca cctgccacca tgcccagcta attttttgta tttttagtag 180
 agacgggggt tcatcatggt ggccaggctg gtctcaaact cctgatctca gatgatctgt 240
 ccgccttggc ctcccaaagt gctgggatta caggcctgag ccaccgcacc cggccaaaat 300
 tcaccatttt gaagtgtaca attcagcggg ttttagtaca attttcaagg ttgtacaatc 360
 gccaccacta attccagaac atttttatca 390

<210> 15740
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 15740
 taaaactaca aaaattagcc aggcattggtg gcgcacgcct gtagtcccag ctactcggga 60
 ggctgaggca gaagaatcac ttgaaccgga gaggtggagg ttacagttag ccaagatcgc 120
 gccactacac tccagcctgg gtgacagagt gagactccgt ctcaaaaaaa ccaaaagact 180
 ttatcttatt tcctatatgt ttgtgggttc agtcctgatg tataatttga ccctagttag 240
 aatgggttatc tgaggaagtg gcctgtacga tttctgcttt tttaaattgtg tggctcccaa 300

<210> 15741
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 15741
 atatattttt tgagatggaa ttttgttcta gttgcccagg ctggagtgca atggtgcgat 60
 ctcaactcac tgcaaccttc gcctcccgga ttcaagcaat tttcctgcct cagcctcctg 120
 agtagctggg attacaggca cctgccacca tgcccagcta attttttgta tttttagtag 180
 agacgggggt tcatcatggt ggccaggctg gtctcaaact cctgatctca gatgatctgt 240
 ccgccttggc ctcccaaagt gctgggatta caggcctgag ccaccgcacc cggccaaaat 300
 tcaccatttt gaagtgtaca attcagcggg ttttagtaca attttcaagg ttgtacaatc 360
 gccaccmcta attccagaac atttttatca cccsragaa aaccaccgag 410

<210> 15742
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 15742
 ggtagatggt tgctacaatc tcatttttagt aaactagaca ggtattttctg agaggtgcct 60
 atttagcttt tgtctataca ctttcccccc at 92

<210> 15743
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 15743
 agcacacata gaacattagc caagctagat tatatctggg ccataagata agtctcaata 60
 tatttckara gakkaaaatc attgcktaag gccagaaatt caagaccaac ctgggcaaca 120
 tattagatag akagacccca tckccataaa aagtaaaara cttagctgak catggtagcw 180
 cgtgcctata gtcccagcta cttgggagac tgaagtggga agattgagcc taaggagtgt 240
 gacgctgcag tkagkatgat tgtgccactg cactccagcc tggttaaaga gt 292

<210> 15744
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 15744
 ctgtttttat gcgaacttat taaggccaag gatgcttact cagtaagaga gactgtatct 60
 ttaaaactat gaacttggcc ttgcatggtg cctcacacct ataatgccag cattttggaa 120
 ggatgaggca ggaggacgct taagcccaga tgttcaagac caacttgggt aacatagcaa 180
 gattccatct ccaaaca 197

<210> 15745
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 15745
 gtatgaagga actgagacca cctaggagaa aaacatgttt atattcctca tcgaacactt 60
 attccagggc aggtatgttc cttgagtatg cagtattgcc ctatagtggg taaagtattt 120
 cttttctctc cttatccaag taaatggaat gaagatactc acttctactg catcaccag 180
 atactgtac acatagctat tccacaaggc aaaagaaaat aggtagcaca agtagcatgc 240
 agtgtgatta ctacagtaata gatttcattt tcttcaaaat attccccctg tttaaaagct 300
 atttaakcac acac 314

<210> 15746
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 15746
 aaacataaga agcacaaaaa ggaaaagaag aaagtaaaag acaaagatag ggaccgagac 60
 cgggacaaaag accgagacaa gaaaaaatct catagcatca agccagagag ttggtccaaa 120
 tcacccatct cttcagacca gtccttgtct atgacaagta acacaatctt atctgcagac 180
 agaccctcaa ggctcagccc agactttatg attggggagg aagatgatga tcttatggat 240
 gtggccctga ttgggaatta ggaaccttat ttcctaaaag aaacagggcc agaggaaaaa 300
 aaactattga taagttta 318

<210> 15747
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 15747
 acagatgatg ttgccaaagt ggcaatcaaa ttgctttgtc attttttact ttttatgtat 60
 gtttgtatgt atgtatatat ttgagagaga gtcttgttct gtcgctcagg ctggagtgca 120
 gtggcgtgat gtcggctcat tgcagtctct gcttccagg ttcaagtgat cttcctgcct 180
 cagcctcagg agtaactggg actacaggca tgcaccaaac ayccggcac 229

<210> 15748
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 15748
 ataagggcct tttcttaacc tcattctccc cgcttgccc taccagttaa attccttccc 60
 ctttccacct aatgggaaaa ctatttcccc agatac 96

<210> 15749
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 15749
 aaaaaaaggc cggcggcggg tggacgcggc gcgcraggac ccgascagg cggggacagg 60
 acggcgtgg c 71

<210> 15750
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 15750
 gaagaaagac ttctcgacgc cgagacactg ctggtggtac tcgatgtagg tgagcaggtg 60
 gcagctgttg gagccgggcg cgatgttgtt ggcgtacttg atggccgtgc tcgcgaccat 120
 gtcgtgcaca gtgaggagt tcttgttgtt aacttagtcc ttgctgagcc gcagtcgcgc 180
 ctcccgtcg cgctccgtgg tccgagtagc tcagcctgcg gacaggcggg tcagcggcgg 240
 ccggagaccc ccagatggac ctagagagag gcgagcaggt ggcgtgtcag gggcaaaacc 300
 agggagagat gggagcacag gcaggagcgt ggcactgaga gatggcagac gga 353

<210> 15751
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 15751
 tgttttcagc tccwwtgggt taatacctaa aacagtgtt gtgggatcac gtgctaagag 60
 taggtttagt tttttagga aatcacctaa ctgtcttaca aagtggctgt ttcatttttc 120
 atttccacca gcaataaatg agagtctctc ttgcattaaa gcctcgccaa catttgatgt 180
 tgtctatgtt ctggattttg gccattctga taggtgtgta gtagaatctc gtttyyyttt 240
 tycattttctc tgatgacata tgatgtagaa catcttttca taacgcttat ttgccatcta 300
 tatactttgt tcgggtgaggt gycgtttaag gtctttgccc ca 342

<210> 15752
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 15752
 atcaggatga tgctggcctc ataaaatgag ttagggaaga ttccctcttt ttctattgat 60
 tggaatagtt tcagaaggaa tggtagcaac tcctccttgt acctctgga gaatttggt 120
 gtgaatccat ctggtcctgg actctttttg cgtggttaaac tattgattat tgccacaatt 180

tcagagcctg ttactgggtg attcagagat tcaacttctt cctggttcag tcttgggagg 240
gtgtatgtgt ccaggaattt atccatttct tctagatttt ctagtattt tgtgtaga 298

<210> 15753
<211> 208
<212> DNA
<213> Homo sapiens

<400> 15753
catgtaaccc tctacctgtg ggcgcacatt tgctgtggtg ttacgttcca ctggtagcgc 60
ccaacctccc ttcattcaag cacattttac gggcctacag ggaaggtttt cttcctgtcc 120
tctcctaaga ctgttttatg ttcacatctt cttctatact agagctgcag tcttacattt 180
gcttacttcc tgacatccac cccaccca 208

<210> 15754
<211> 191
<212> DNA
<213> Homo sapiens

<400> 15754
ccagcccttg tgtgtgtgcg ttastcagca cctgcccaca ctgcgagccc ccgtaggatg 60
tgccttgccc ttcctgttt cagcacttaa cacactacct ggtacagagt atgtagtggg 120
catctgttga atgaatgctt ttcccagtag cagtgtattc atacaatatt aatataattg 180
tcccctggca a 191

<210> 15755
<211> 187
<212> DNA
<213> Homo sapiens

<400> 15755
tattttcaat atggaaataa taattctctt gttgagtttt tgtaaggaat cacgaggtag 60
tatttgtaaa gctcctagaa cagtgttcag catgctataa gagcccagtg ttagcagttg 120
ttaccaatat tacatgctgg tggcctcaca ccacacttgt ggtgtgagta tcaatcatct 180
taccga 187

<210> 15756
<211> 237
<212> DNA
<213> Homo sapiens

<400> 15756
tggatgacgc aataagatac agagattggt atttgtatct agtgtgctac tttgagaaag 60
tttctttatt gatagtgatg cttccactgt tcggtttatc ctgttgtttt ttcttttaag 120
gaaaaaatag aaatatattg ttttttggtg cttaccggtg ttgtgttata acaatatcgt 180
taacatcgtc aggactttgt tcctgataat aaaaagcgtc gatagaagcc gggagca 237

<210> 15757
<211> 135
<212> DNA
<213> Homo sapiens

<400> 15757
gtcccagttg ctaggagggc tgaggcagaa ttgcttgacc caggagggca gactttgcag 60

tgagccaaga ttgtgtcatt gcactccagc ctgggcgaga agagcaaaac tccgcctcaa 120
 aaaaaaaaaa aaaaaa 135

<210> 15758
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 15758
 ttaaatacca cttgtttgccc ctacttatct ttgtccctcc tgaggggtgcg gagtgagcct 60
 tattcattcc agcattccta caatcttgta catccataca attcttgata tgtagttgac 120
 atacactact gtaaggtaca tgaatgagta agtagataaa ggaatgaaca aatggaccag 180
 tggtttgttg gggccactct ggccagtggg ttggggacat gcttcctgga gtcttatccc 240
 ctcttgtcag attcaggttt aggacaacgg tacagttggt ccattgttcc cagataacat 300
 atcctatctt aacgtctttg ctggggcagc ccttggacac accctgagct cctgccctat 364
 cact

<210> 15759
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 15759
 atgatttttc tctttcctat ctttgatgga aggaggaagt agaaagtggg aaagaattga 60
 ggcttttcctt cttggagagc tgtaaataac aagcattagg aaaggtaccc tcctagattc 120
 attattcttt cattctggtt tcacttttta aataaatggc aacttggcac acctaggctg 180
 ttaacaaatc tcaaagaggt ttataaaaaac gtatagaata cttggaagcm aagtatggat 240
 gactcggtat ctgctttggt awtcctcaga aatactgcac tgagtatatg ccctcatta 299

<210> 15760
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 15760
 taatatgaaa aactcaagtt caagactaaa ttattctcta tgtcttagaa gaagagatat 60
 aaatagcttc tattttgaag atggataacc tgagtttaact gaatttaagt aactagatca 120
 aagtaaaatt tagttaactt tgagcagcta gatttgaact cttatcaaca cagcatccc 179

<210> 15761
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 15761
 caaatgagag ggccacattc taggtttttg agtaagaatc ttcaggtgtg agctttggat 60
 acctatacat attcttttac atgattcctg agtatatcct agttaaaata agtaagaaga 120
 agaggaggaa taaagaagta atattaggca acattgtggg agaacttata tgccagggtct 180

<210> 15762
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 15762
 ctctgatgt cgtgatccgc ccacctcagc ctcccaaagt gctgggatta caggcgtgag 60
 ccaccgcgct ggccggtgga tagtactttg aacatcatta gcattttctc caacagtatg 120
 atagatgttg tagaactaaa tggcagttta tttaatgctt aaagaactat agtgcatttc 180
 agaatatgta gggattatgt gttcacagct aacataatat ttattgtttc tgagaaagtg 240
 aagattaagt caaaggaggc cgggctcct 269

<210> 15763
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 15763
 ctacttgaag caaatttttt ttcttttata tttctgaata taaatatact cttatatggg 60
 ctaaaaagac cccatgaata aatagcaggt tcagtagttg aggagtggag tttagtaggt 120
 ttgttttcag tataaattag ataacatgtg gaggtcacag cattttggaa attgagtgtc 180
 cccaagtgaag ctttgtttat aaactttcga aatgtcggaa gtggacaggt ttgttaaadc 240
 ttgtctgccg gcaccctttt cttcctttgt tccttttctt ctctgtgtta ttgcctgcgg 300
 cagcctgt 308

<210> 15764
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 15764
 aaatgtagtt tcaaaaacat actgtgtttg aatttaggat ttttttgggg aaagtatgat 60
 ctttttgatt gagctgtttg tcaagagtga aaggttttta tctcattagt atcagctaac 120

<210> 15765
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 15765
 taataataat gctaatacct gataacttgc ttgtgtaact tttcvtnttt wagtccctcat 60
 tgaatcctgt tattgcaatt tttaaattga ggaccttgaa gcatagaagt gttaatttgt 120
 tcacagtttt gcgtctggga aagatttgaa acaggca 157

<210> 15766
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 15766
 agttttctct cgtttttttt ttcttttatt tttcttgctc ctctttctac aactgaagt 60
 tgctgttggt ttacatttac cttttattta ttgtagttt ttgaggcagg ttggagtgtg 120
 agaatgcaat ctgggcttac agccgcctcg actttccagg actccctcag gtgatcttcc 180
 tatctcagcc ttccaagtgg ctgagactac aggaatcact taattctgtg atgtcgaagc 240
 tgaagtgaag cgtgatgatg ccttgccctc cagtctgagt gtttcagaag gtggagtttc 300
 gctcttattg cccaggctgg agttcagtgg cgtgacctca gctcamcgca acctctgtcg 360
 cctgtgttca agaga 375

<210> 15767

<211> 157
 <212> DNA
 <213> Homo sapiens

<400> 15767
 acagcagggg ccgaaattga ggaggcctta aatgctttga gcttttgcct tcagtctaaa 60
 gctgtagaat agggggttaa gagcttaggc tgaccatagg gaagtttaca agctagagcg 120
 aatatctgga ctgctaatat ctgacaacag taggctc 157

<210> 15768
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 15768
 tctaaaaata tttaggggac agcctttaa tggattcaga agttctgcta tgagcagtgt 60
 agttcctttt tatgtgkct gtatgtatga gtgcatattt tcagattgtg atcatattgt 120
 gtat 124

<210> 15769
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 15769
 ttgtattttt aatagagttg gggtttctcc atgttggtca ggctgtcttg aactcccgac 60
 ctcaggatgat ccgcctgcct cggcttccca aagtgtctggg attacaggca tgagccatca 120
 tgcttgcctt acctggag 138

<210> 15770
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 15770
 gaggaaagga aggaaggctt ttgtaggcga aatagagaac aaaagaggga gatatatgaa 60
 ttgaagctgg aaagatgggg aggggcctat gtatgctggc ctggaggaat ttcagtctct 120
 ttagtgaagg ccctgaagga tttaaacaga agaggcgact gtygtgtggc aaatggaata 180
 gagtgaaggt caggttctgc attacaaggc aatctcagaa gtccagatta gagataataa 240
 caccttggat tgtgtatggt tttggcagtr gagataagga gaatgaataa ttcaagatct 300
 gttttggagg gaaaacagac actgcttttg ttctttgga 339

<210> 15771
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 15771
 ttagtctgtr ggctcttgcct gggctgtctg cataggaatc acctgagagc ttattaaaaa 60
 taggttttca ggctgggttc ggtgcctcac gcctgtaatc ccagcacttt gggaggctga 120
 ggcaggcgga ttacttgagg tcaggcgttc aagaccagcc tggccaacat ggtgaaaccc 180
 cgtctctgct aaagatacaa gaattagcca ggcattgatg cacacacctg taatcccagc 240
 tactcaggag gctgaggaag gagaattgct cgagcccggg aggtggaggt tgcatgnagc 300
 ggaggca 307

<210> 15772
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 15772
 ctgctggaca atgttccctc tagggttggt tcccggctta ggaggcgggtg gttgcggctg 60
 ctgctcctac ggatattgct caagactggg gcgttggaac ccctgtagggt ctggggaatg 120
 aaaaaggaag tgggactttg ggaagtgggt gctccttagt cttggcgggg gttgggaatg 180
 ggaaataagc tg 192

<210> 15773
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 15773
 tataatccag tctctcttct cacttctggt aagatggctg atatagtcca tgaatccac 60
 tcatgatctc tttatcaaat gattgttcag ccacactttg aggattctct tcagtacaag 120
 ttttctaatt tttgcagtat ggataggctg agaattttcc aaatcccaaa gttctgggtc 180
 ctttttcctt aacaatttct tctgcaattc aggtctcctt ttgcattttt gccgagacca 240
 gctgggtcgt ggagacccta acccagtggc tctagaggaa tata 284

<210> 15774
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 15774
 atccacgtgc ctggcctcc caaagtgtg ggattataag catgaaccac catgccgggc 60
 cttatgacag tatttgttct ttctcttctt aattccacaa gtaatattat actggaaaaa 120
 gtaattagat tatataaaaa tacttaaagt ataaagtga aattattgtc tcattctcta 180
 cccacattgc 190

<210> 15775
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 15775
 aaaaataaaa ataaattcgt taggcatggt ggcacgtgcc trtagtccta gttacttggg 60
 agtctgaggt gggaggatcg cttgagcttg ggagttctag gctgcagtga actatgatca 120
 tgccactgca ctgcagcctg tataacagan tgaggccctg tctataaaaag aaacataaat 180
 aggacagttg cagtggctta cacctgtaat ctcaacactt tgggaggtat 230

<210> 15776
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 15776
 agtcacgagg ccgagcgga gccgtacgt acaccgcga tgcccacgac gcagtcaggt 60
 tccggcgaaa gtgaccgga gtaaccgcg ggccaagatg gctgcagagg aaggggtcgc 120

gagtrctgct tccgccggcg gtagctgggg t

151

<210> 15777
<211> 222
<212> DNA
<213> Homo sapiens

<400> 15777
ttctatcaat gkcattcact gctgcatccc cagtgcctag aacagggctg gcagggtgga 60
ggcgccctgac agatgcttgt ctgatgcctg aatgtctcct taccatgcc cacggcacag 120
gatagatgtg ctatagggca aagaactttg agggctcgagc agcagggggc cattcagtcc 180
cagggagcag agaccccccc aacccttca caaaccccaa ct 222

<210> 15778
<211> 329
<212> DNA
<213> Homo sapiens

<400> 15778
gcctctttgg gttgaatttt attggagact tctgcacttc ctgtacctgg atgttgtcat 60
ctttctcag gttagagaaa ttttcaacta ttatttttta aaatatgctt tctggctccc 120
tttctcttc tttctcttct tgaatttctg ttgtgtgaag gttaggtctc ttgatgggtgc 180
cttatccata agtctgttag gctttcttca ttcttttgca ttcttttttt tctcttctga 240
atggataatt tcaaagtgtc tgtctttgag ctcaactcatt ctttcttcca tttagtcaag 300
cctgctgttg aagtgttcta tttcatttt 329

<210> 15779
<211> 442
<212> DNA
<213> Homo sapiens

<400> 15779
aggagcagtt taggaagtgt aaskvhgagg cccttcttgt gtatctggag aaaatagagg 60
tcagtgtgtg gttttgtccc tgaaagtgtt ttgtcctagt tcaggttttg tctcagtgga 120
aggtttggga gatttgagga cgtgggtgtac cctggaccac atagtttttg gcaggaagac 180
tggggagcgc cgggggtatag gcatttgga ggtacctggt gggagtctgt gatccccctg 240
tctgtggtcc gcgtgccttt ggtgtgagta cagtgactaa ggcaagcgga cctcagacag 300
gtgataacat cccatgcagg agctctagct ctcaggctct cccctccctg tttcattctc 360
atctcacatg cccctcttcc ccacctaggt ttcctccagc ctggtggtgc cctgtccttg 420
caaaagcaga tggaaacatgc ta 442

<210> 15780
<211> 234
<212> DNA
<213> Homo sapiens

<400> 15780
tccagaatta taaaagtgtt tttccatggc atttttatag tagagttttt taaaaaatac 60
ttttacattt aaatcttttg atccatctag aatttgtttt ggtaagggtat tgggtctgact 120
ttttccccc tgagatgggtt atatagttgt ccaacatcat ttatttaaka atacaataac 180
tgtttttgat atggcacttt tatcagatgc taaatttcta tatatattgg ggtc 234

<210> 15781
<211> 133

<212> DNA
<213> Homo sapiens

<400> 15781
aaaaattgga ttwtgttggc csggtgcagy sgctcaggcc tgtaatccca gcactttggg 60
aggccsagcg cgggcagagc acsmggtcag gagatcsaga ccagsctggc taacacgatg 120
aaaccctgtc tct 133

<210> 15782
<211> 195
<212> DNA
<213> Homo sapiens

<400> 15782
aataaaaaata tgyaaatgag tggtaaatct ttagttatct taagatgatt ttagggtttt 60
ctagtttatg ctttttttct gtttttcmmg taacctgcag agrrttttgg gaaacaggat 120
tttctacgta ggtsrcattt tcacactgaa ttttagcttta ttaatacatg attgatactg 180
ataccaagcc atgga 195

<210> 15783
<211> 369
<212> DNA
<213> Homo sapiens

<400> 15783
caccacacct cgcwgtttty yttatcttta attgacacgg ggtttcacca tgttggccag 60
gctggtcttg agctcctgac ctcaaaatga tctgcccacc tcagcctccc asmrwgctgg 120
gattacagac atgagccact gtgcccagtc tataccctgt cttaaagaag aacaaaaaat 180
ggtttagggg aattggtaaa aggccaaaca actaattggt gggaacaag attctaata 240
aaagctatca aatcccaggg tctaaactca tcaactgcata ccactcwaca aatattttatt 300
gaagtgaana ttatgtttac ataattacaa attatgtyta catagcctct ccagtttagat 360
actctcacc 369

<210> 15784
<211> 121
<212> DNA
<213> Homo sapiens

<400> 15784
aaacagacct gamaatgatg ttccagaacc tcccatgcct attgcagacc aagtcagcaa 60
tgatgaccgc ccgaagaggt tgdtgtmmga tgaggagaag aaagaggtaa acatccaagc 120
c 121

<210> 15785
<211> 265
<212> DNA
<213> Homo sapiens

<400> 15785
aaatcttgct gctgctcact ctttssgtcc aactgcctt tatgagctgt aactcact 60
gggaatgtct gcagcttcac tctgaagcc agcgagacca cgaaccacc aggaggaaca 120
aacaactcca gacgcgcasc ttaagagctg tracactcac cgcgaaggtc tgcagcttca 180
ctcctgagcc agccagacca cgaaccacc agaaggaaga aactccaaac acatccgaac 240
atcagaagga gcaaactcgt gacac 265

<210> 15786
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 15786	
ctgaaataaa aaacaaaaag ctattccaat ttcatttgag tttccattca gcagcctcat	60
agattcctaa ctcacacac caagcaggtc acttcccctc tcsmaagttg ttcgccagaa	120
ccagccaaag aatgcaggaa atggtactct ctttttctga gtgaatcttg gcaaaatgac	180
ttcaatttag ccagcagtgc aggaagcgat tgtaaataa aatttgttt atatgctcct	240
cccaaaggag acttgcagtt tgcctcccta gtaaac	276

<210> 15787
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 15787	
tttttaaaca gytttatcac ctatatagat atccttaact agcattgttt actcttacct	60
gtttttgaac tttattttaa taaagtcatt ctgtattcta tgagttactt ttgttaaaca	120
ttgtttctga gattcactca tgttaaagca cgtgcctata gtttagcaat ttagaaactt	180
tattcccagg acccctctac actttttaag aaccattgag ggggccaggt acggtggccc	240
acgg	244

<210> 15788
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 15788	
gctttttata cawaaaagtgc tcattcatta agcagatgaa tgaggctgaa gcttgggaga	60
gattagggtt tgatttagaa atctggagtc gac	93

<210> 15789
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 15789	
gtttctaacc cscgccatcc tctcccctgt cccctactct attcsasgcc ctggctctgg	60
gcctaacaag gaactctatc ccaccccttt tgggccagct gtcgttccgc scctstcagc	120
gccccgccg	129

<210> 15790
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 15790	
tgtagaata cagwtgatgt ttaatagtga tcttgatcc tataacccttg caaactccac	60
ttcttagttc cagttacttt attgtasytt ttttnttgy ytttactgtg tgtgatgttt	120
gtgaatagaa cctgttttaa ttcttccttt ccaatctgga tgccctttct ttttcttaca	180
ttattccact gcttaggacg tc	202

004220" 566EFS60

<210> 15791
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 15791						60
tatatgtgtt	thmaaaacat	gcccacaggg	aacgagcagt	cttcatgttc	cattgactcc	120
agagacgttc	ccattaaatg	catcaccaac	cctagagttt	aggtcctgca	cattgttagc	180
tctgctgtgc	gaaaacatga	attaaagctt	aaaagatcat	agaagtga	ccatgtacta	240
gaaactacca	caggtgcgtt	ggcaggggt				300

<210> 15792
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 15792						60
cgcctgtaat	ctcagcactt	tgaggagsgc	caagggtgga	ggattgcttg	agctcaggac	120
ttcaagacca	gcctgggtaa	acatggcgag	accctgtctc	taccaaaca	acaaaaaaa	180
gacagactgc	tttgatcaac	cctaaatgca	aaagcagcct	atttttcttt	gtttaaaagt	240
caaaacataa	aaaagcagag	tataacatac	aaaccattct	taactattca	ttaaaatggg	300
tccttcaaca	ccttagtggt	gtttgttggt	gttgcttatg	cagagagatt	attttctttt	360
tattatttta	taatttttga	aatagagatg	gggtctcact	gtgttgccca	ggctgggtctc	420
gaactcctgg	acttaagtga	gcctcccgcc	tcagtctcc			480

<210> 15793
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 15793						60
ttaaaaatta	gcaactgggtg	cacacacctg	tggtccctgc	tacttggggg	cctgaggcgg	120
gaggatcggt	tgagcttggt	aggtsaggc	tgcggtgagc	tatasycaca	ccactgcaat	180
ccagcctggg	ctysagagcs	mgacccttc	tctaaaaaag	agagtnaaga	aaagatcaaa	240
acagaagatg	gaacaagaaa	gtgaaggcta	ccaa			300

<210> 15794
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 15794						60
acattttttt	agtattatct	actaagggtg	atacacaccc	tgagacattt	gaaaaatgtg	120
cagaatctgc	cacagttcat	ggtcgtacag	gacagttctg	tactttgcaa	aattgcta	180
gtcccatgcc	atgtgtgctc	accaaacatt	gtggcagcta	taacatgttc	ccaacatgtt	240
tacacaagtt	cctccaggag	atgatactcc	ctattgagaa	tcgctagatt	tgacagagag	300
aaatggcata	ggcatttcag	ccaggctgaa	aaagataggc	aaagactgaa	tttgctctac	360
tcagagttat	aaagcgagtg	tggtttagct	gttgctccgaa	gcacg		420

<210> 15795
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 15795
 cataatttcc ckactatact attaaatatt aacttaattg cttgkatcta attatattgt 60
 ttgtacacat taaccacctt ctctttatcc ctcccatcc ttccattkcc agtctctggt 120
 aaccaycatt ckrcctctct cctccatgag akccaccttt tccgctccta catatgagt 180
 agaktatgca atattttatt tctgtacctg gcttatttaa tttaacctaa tgacctccag 240
 tcccacccgg cggawkcaca ctaaacagca aatccaatgc cagacggcak ctttctgcat 300
 tcagaaacct ttttagatcc agtgtttcat aawwacaggc aatgggaaga atgttggttt 360
 aatttktaat akctttgatg taccgcatga gatcaaacaa 400

<210> 15796
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 15796
 agaacttatg gtctaggtaa acaaacttga aatttttctg tttggataac tttgccagtb 60
 acacagaaaa tatacatttt tacctttcby ccctgccctc aattctagt 120
 tgaaagcrgt aagtttcctc tggatggtca tgaaaactag gatatagtcc actatcatct 180
 actgtgtggt agaaatatgc cctctctata tagattttgt ggtgtgactt ttttatggag 240
 agactccaag ctccaaccac gt 262

<210> 15797
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 15797
 ttgtgatgtg ggaaatataa attgtgcaa gttctttgga gtwatgcaa ataatacatg 60
 gcacacattg ttatgttgct cttcattccc tgtgaaggcc tttgtcctc aactttatat 120
 ccatt 125

<210> 15798
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 15798
 cagtaaagat atgtaacttg ctttagttat gcctgactga ggaaaattca gagatgagt 60
 ttttgggcca gatcttcaga aggcagcctc ccatttaaca ggcacttatt tatcatgcta 120
 aactatgtg gtttgccata ccaacattga ggatcatctt gctcaagctc ccacagtacc 180
 tagcccaatg ctgggcacat gcattcatgg acgtgcactg actgatgaac ctatcaatag 240
 catcagaaag ccaacaaccc aatgtgatcc tacat 275

<210> 15799
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 15799
 ctggctaatt tttgtatttt tagtagagac cgggtttcgc cacgttgccc agcctgggtct 60
 tgaactcctg acctcaaag atccacctgc ctccggcctcc caaagtgtg ggattgtagg 120
 catgagccac cgcacccgac t 141

<210> 15800
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 15800							60
tgtgtgttaa	agagctgata	ctgattttca	tatgacaatg	ttaggcaaag	gcctccctgc		120
atttgaagag	caggttttca	tttataatga	tttttgggat	aaaaaaataa	aatttgtaaa		180
tatagcccca	tttcaaagag	taatgctttc	ctagcgtaga	ggaccttggt	ttcataggtc		240
tgtttgctgc	taatggagcc	ttctgtcagt	acttttgaga	taaaagtagg	tagctgtttt		300
agagtgttgt	ggggcagggt	atatcgttgg	cctccaagtc	agtggaatag	cagatggtga		322
catggagggtg	ggttgtgggg	ga					

<210> 15801
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 15801							60
gagcaattcc	tgtccctctt	aagggtttac	aactctaagg	gggtccgcgt	gasavgtct		120
tgatggattg	aggaagcaga	gggtacgtga	ctgggggctg	catgcacaga	caacgagagc		180
gaaaccacag	agaaaagaaa	catcccgtgc	atcacggcct	gatgatggat	tcctgtttcc		194
tgcaaaatgg	ggat						

<210> 15802
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 15802							60
tacaaaaatt	agccaggctt	gactgggctg	ggtggctcac	gcctgtaatc	ctagcacttt		120
gggaggcccg	ggtgggtgaa	tcaccagagt	ttgggagttc	aagaccagcc	tgaccaacat		180
ggagaaacct	catctctact	aaaaatacaa	aattagccag	gcttgatggt	acatgcctgt		240
aatcccagct	agttgggagg	ctgasgcagg	agaatcactt	gaacctggga	ggtggagggt		275
gtggtgagcc	gagatcatgc	cattgcactt	cagcc				

<210> 15803
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 15803							60
ataccgcccc	gcactggccg	gcaggaggss	cggctcaggc	cacarggaac	tcaggggtct		120
gctgtggccc	aggagtggcc	acagtaacag	ctcaggagga	cagagggtcc	aggtggagtt		180
ctacgtcaac	gagaacacct	tcaaggagcg	gtctcaagctg	ttcttcatca	aaaaccaaag		240
akcgagcctg	aggatccggc	tggtcaaactt	ctccctgaag	ctgctcacgt	gcctgctcta		300
cattgtgcgc	gtcctgtctg	atgaccgggc	cctgggcatac	ggatgctggg	gctgccccaa		360
gcagaactac	tccttcaatg	actcgtcctc	cgagatcaam	tgggctccta	ttctgtgggt		365
ggaga							

<210> 15804
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 15804
 taracatact acctgataat ggataattta taagaaaggt ttaattgact cacaattctg 60
 catggctggg ggaggcctca ggaaacttgc aatcatggtg gaaggtgaag gggaagcaag 120
 gaccttcttc ataagggtggc aggagagaga tagcaagggc aggggaaatg cctgacatgt 180
 accaaacaag cagatcctgc aagaattccc tcactatcaa gagaacagca taggggagac 240
 tgccccata atccagtcac ctcccaccag gtcctttcct gaacacatgg ggattacaat 300
 tcaagatgag atttaggtgg ggacacagag caaaaccata ttattccacc ttggctcctc 360
 tcaaattctca tgttcttttc acatttcaaa ccagtcatgc cttccca 407

<210> 15805
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 15805
 gtctggattt ccaggaaagc ggagacctcg aggtgcagga ctgtcggggc gaggtggccg 60
 aggcaggtca aagctgaaaa gtggaatcgg agctgttgta ttacctgggg aaa 113

<210> 15806
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 15806
 agtctgtgcg gctacagcgg ggtggagacg gccggctctg tcacggcttc atgagagcgg 60
 gaaat 65

<210> 15807
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 15807
 acaggcgctg cgtgccctgg ctctgctcgc cactggccgg cgcgctccvb nkcgcacgga 60
 gcacactcgc gctccgggac tgaaacctga gcagccgtag cagccaaatt tgggagcata 120
 tccttgtcac tgcagccaga aagcccttcg atccccatct ga 162

<210> 15808
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 15808
 acagagtact tggacttcca ttttcttctg gatatttggg ttcttaacat gtattttcta 60
 atcagaaaaa tcagaataaa aggagagaat ggtactgggg catatgttgc agagagatca 120
 agttaagata aggactgtca agt 143

<210> 15809
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 15809

ccccgaccc caccacagtc cccagagtgt gatattcccc ttctgtggc catgtgatct 60
cattgttcaa ttcccagcca a 81

<210> 15810
<211> 182
<212> DNA
<213> Homo sapiens

<400> 15810
gagtgtcag tggagagcgg ggagtgtgtg tccaccttgc cgacgtcgct agccgtgggg 60
ctgtcctggg aaggcggacg gcgagcgccc ggtgtccgca ctcgssgcc tgccgtgccc 120
gtctkcggcc gtggatcatc tctctcgga cgcaggacc gtttttaaat cacakgggac 180
tt 182

<210> 15811
<211> 90
<212> DNA
<213> Homo sapiens

<400> 15811
atctacctaa agttctatga acctcaagat agagatgac tctattttta cattgccaca 60
tacctaggtt tggcgtcac ccttcattgt 90

<210> 15812
<211> 217
<212> DNA
<213> Homo sapiens

<400> 15812
cggggtgggg gsvgggcaag gargggcagg cacacaccat gtctgacctg aacccgattc 60
tggggagcat cttcccgtc cgccccacg acctccacag gggtacattg taakrtatat 120
gccccagcta acctgtcwra tgggtgcac ttctgcagr satttcaaac atgtaacttt 180
tatatkavaa aaaataaaca cagatgaaag ctgccgt 217

<210> 15813
<211> 158
<212> DNA
<213> Homo sapiens

<400> 15813
ctgtctcaaa aaaaaaaaaa aaaaatggtg gatagaaagc acctctggcc tctgggagga 60
agctgtccca cctagctggg agggacctca cctaggattc aggagacctg ggctgcctac 120
cacatgagcc ttagacaatc tgctcascca gccacact 158

<210> 15814
<211> 314
<212> DNA
<213> Homo sapiens

<400> 15814
tttaggattt tagacttttag ggattttgat ctttggggat ttcaatattt gggattatgg 60
tatttgagat ggtctctttt aggattatga tccaaacca tctcaggaat gtgtgaaatt 120
tacagtagtc catccccatc ccgggctgta gaaatgtagg acccacaagc cttcgttaca 180
gagccactta ctgccccatg gagttcccag gtagatgaca gtagcgggga ggatacatgg 240

cacatgttat atggctcttg ggtgtgcctt ctctcagcag gcactgcctt tgaagattat 300
catttggggg gtac 314

<210> 15815
<211> 99
<212> DNA
<213> Homo sapiens

<400> 15815 60
acttggtgac tctaggtgac tggtcgacag atgttcattg tactatcaat gtggctttgc 99
tgtggggttg aaattttgca aactaagagt tgggtggca

<210> 15816
<211> 403
<212> DNA
<213> Homo sapiens

<400> 15816 60
aattttgttc cattttcctg cttccttctc ctcttcctcc ttcttctaag atggcagaga 120
gaaactttct tacagggtccc agcaacactg ccgtatagct tagaagactg gagatattta 180
ttctcaatgt cctcagttta ctttccaact ggagcattat ttgaaagacg gtctgccagc 240
attcaactga acagacacaa atgcaggtat gaatagttag gggagagagt gggttgaagg 300
ctgggggttg tgtaggtct gatgaaccct ccagcactcg ccatcatcgg ctacaatgtt 360
gaggagactc catcacaacc tcagatcaag agtggttctt tgttcctcca agccttccaa 403
agcactttat ggaccttgta tttggacarc acctccatga agc

<210> 15817
<211> 409
<212> DNA
<213> Homo sapiens

<400> 15817 60
caagtcccaa gactgcctgg gcctactggc ccccttagca tctgctgcag aggtcccttc 120
tacagctccc gtgtctggga agaagcacag accaccagga cccctgttct cctcctcaga 180
tccccctcct gccacctctt cccactcacg ggactcagcc caggtcacct cgctgattcc 240
cgcgccttc acagctgcaa gcagcgtatgc cggcatgaga agaacaaggc ctggcacctc 300
ggctcctgca gctgcagcag cagccctcc cccctccaca ttgaacccca cgtcggggtc 360
actactcaat gcagtkgatg gaggcccty amatttcttg gcctcagcac agctgcagca 409
cgtgtccaga ggtcagaagt gagatataac cagagatccc agacccccc

<210> 15818
<211> 144
<212> DNA
<213> Homo sapiens

<400> 15818 60
cacatcaacc agtctaaggt tgctcccacc agactaggag gactggagag taggggttggg 120
gtcaaaagggt agcctcctgc aggtcgctc ctctgtggc tttcccgac gtcgcgttgg 144
gacttcctgc cgacaccgca ctca

<210> 15819
<211> 144
<212> DNA
<213> Homo sapiens

<400> 15819
 acaaagtgtg tgccctgcggg gcacctcggg cgggctcgcc gggctcgagg gctggcggkc 60
 kccggggcka ckrkgccccg gggggagaga gccggcagck kgcggcggtg ggtggcggtg 120
 gcgatgcgcc gcgccccgcc gcgc 144

<210> 15820
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 15820
 atgctgtgtg ttctcaagaa gctcccttag tgaggccgat cttaatgatgg ccgattctgc 60
 ccgttgaagg catcctggga aagaaaacaa gcacccagc gggcatctca ccacgacttc 120
 tcttgaggtc ctacacggg cactgacaac tacagtcagt tttaggaact agagcgccac 180

<210> 15821
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 15821
 tataaaaaata gcaacagtat ctttgctaata cttactaatg gatattgatt aaaaaaaaaa 60
 aacctcagta ctgcatcact gtgttgggat cgtaccagga caatagggtc attccatatg 120
 ataaaaactaa aggactaaat ttgttttata atgatgtctt agagggactg aaaagttaa 180
 ggagggcgtc aaactaaaat gtcttaaatg ctgtgtgaca cacgtaagga aaggaaagg 240
 ggtcacgcac atcatgtact ggaatgatct gcattaaaca ttgacttgc ttcagaaata 300
 agactgaagg gttttgttgt tccttagagt tttcgtgta catcacctaa agagatttct 360
 tttraraact ttctagactc tttgcwaaat gtatat 396

<210> 15822
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 15822
 cccaagatcg gcagctggca aacaggagac ccaggagaac tgatgattta gctccagtgt 60
 gaggccaaa gacctgtga gttccagga gagccaatga cataagttct ggtcctaacg 120
 cgagcagact tgagatgcag gaaaagccaa tgtttcagtt caagtctcag gctggaaaaa 180
 cacagtgtcc cagcccaagc aggcaggcag caggagttct cttgtactgt gcctttttgt 240
 tctatatggg cctctt 256

<210> 15823
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 15823
 gttttttgag acaggatctc actctgttgc cagggtctgta gtgcagtggg gtgatcatag 60
 ctcaactgcaa cctccacctc ccaggctcaa gcctcccgaa tagctgggac tacaggcaca 120
 ct 122

<210> 15824
 <211> 246

<212> DNA
<213> Homo sapiens

<400> 15824
gagcaaaggg gaagttgctg cgctctgctc ggtgtcgtgg cctcgcagat gattctggct 60
gtgactcagt cactgacact gagcctgagg acgagaaggt tgtttcctac tcgaagcagc 120
agaacctgcc gacggtgact tcacctggga acctgatggg ggtgcagccg gaccgcattc 180
gctgtggggc agaaaccact gtctatgtda ttgtgagatg taagctggat gacaggggtg 240
cgacag 246

<210> 15825
<211> 75
<212> DNA
<213> Homo sapiens

<400> 15825
tcccaaagtg ctgggattac aggcgtgasc agggcaacag agtgagaatc tgtttctttt 60
tttttttctt ttttt 75

<210> 15826
<211> 360
<212> DNA
<213> Homo sapiens

<400> 15826
aatgcaataa tcagtatcag ttattgaaat caccocagat tgtaagaaa ttttctactc 60
ttacaagcat ctcatgggga aacatgctga gagaaacatt tgttctagct ctgtttctta 120
atggttgctg tactagatgc tgaggacata attttaaaca aaacatgatc cttggcttta 180
tggcacctat aatctggtag ggaaaatatg tcagcagata aatttataat actgtataat 240
tatataccat ttgagcagtt tgggtcaaagc tctccgtgaa ctcagtcctg ggaaagggtg 300
accataagt aatgaggtgc ctatgtgagt kcaactatttc acttgtttta attatgaata 360

<210> 15827
<211> 236
<212> DNA
<213> Homo sapiens

<400> 15827
ccttaacata ttgacacat tttatagcac aaactttaaa ttcaagctgc tttggacaac 60
tgacaatatg attttaaatt tgaagatggg atgtgtacat gttgggtatc ctactacttt 120
gtgttttcat ctctaaaag tggtttttat ttccttgat ctgtagtctt ttatttttta 180
aatgactgct gaatgacata ttttatcttg ttctttaaaa tcacaacaca gagcat 236

<210> 15828
<211> 278
<212> DNA
<213> Homo sapiens

<400> 15828
ttttgatagg aacagtgttg aatatgtagg ccagtgtgga cagtattgca ttttataata 60
ttaagtcttc cagttcacga acatggaatc tttttctatt tatttaggtc ttaattgtt 120
ttcaaagatg ttgtgtagtt ttcagtgtgt aatcatgctt cttttgtgga atttattcct 180
aaaacttttt gatgctattg taggtggaat tgktttcttg atttactttt tgggktgtcc 240
actgckactg tatagaaata cagtagattt tttttaaa 278

<210> 15829
<211> 84
<212> DNA
<213> Homo sapiens

<400> 15829
caaaggctat ggtagaagtg agtaatgaga gctgggctcg agccctggtc tgagttcagt 60
gtggatgttt aaaggcgacc atat 84

<210> 15830
<211> 384
<212> DNA
<213> Homo sapiens

<400> 15830
tattgtttga ttatgtaaaa gtaatagtaa aatgcttaca ggaaaacctg cagagtagtt 60
agagaatatg tatgcctgca atatgggaac aaattagagg agactttttt tttycatgtw 120
atgascwagc acatacacc ccttgtagta taatttcaag gaactgtgta cgccattkat 180
ggcatgatta gwttgcaaag caatgaactc aagaaggaat tgaaataagg agggacatga 240
tggggaagga gtmcaaaaca atctcksaac atgattgacc catttgggat ggagawkcac 300
ctttgctctc agccacctgt dactargtca ggagtgtarr ttggatctct amattaakgt 360
ccyctkgctg tctacagtag ctgc 384

<210> 15831
<211> 317
<212> DNA
<213> Homo sapiens

<400> 15831
ctttaaatat ttgttttcca attgtttgtt gccagtacat agaaatataa tagggttttt 60
tctgtatatg gattttgtat catatgacct tattgaacca atttattatg tatatatatt 120
ttttggtagc tttcttagga tctgttatgt atacaatcat gttgtctatg tcaagacagt 180
cttacttctt cctttacagt ttatatgctt cttatttctt tttcttgctt cattgcgctg 240
actgggactt ccagtycaat gtkaaaaaga agtagtgaga mctgacatct tkgcctkgty 300
ctkgayctcg agagaaa 317

<210> 15832
<211> 400
<212> DNA
<213> Homo sapiens

<400> 15832
acaaactctg caatatgtta aaacctttta tgaaaacaag ggagatgttg gactctaagt 60
tcactcttaa taatgaaata accaacattt gttgagcttt ttactacata ccacaggtgt 120
tcttctaagc tttttacttt cattagctca atagtctttg ccttatcata taataggcac 180
tactgcatgg atatatgtwg tcatttactg aggaagcagt tatcaagagc ccagacaata 240
agctgagaaa tctgagttga ctttaaagtc ctctgtgtt caacaagggt gccaaagacca 300
ttcgaatggag gagggacagt cttttcaaaa atggtacttg gaaagctgga taccacacata 360
caaaagatgt tgdtdggcctc cttaccttat accagataca 400

<210> 15833
<211> 205
<212> DNA

<213> Homo sapiens

<400> 15833
 caacttaagt ctttaatcca ttttgatttg atttttgtat atgatgagag atatgggtct 60
 agtttcattc ttctgcatat ggatatccaa ttttcccagc accacttatt tattttgttt 120
 gcaacaaaga aagagtttaa ttgtcacagg gccaaccaag tgaggaagac agtagataat 180
 tctcaaattc gcctccctga gaatt 205

<210> 15834

<211> 267

<212> DNA

<213> Homo sapiens

<400> 15834
 taaagaatta gtgttaatat ttttaggtgtg atgatgtcat tgtggttata ttctaaaaag 60
 tctatctttt tagagcagcg attctcaacc tggggasvgt ttgtcsbcta ggggatattt 120
 gggaatgtgt ggaaacattt ttggttggtta cagctagggg gtgttaactg gcactgagag 180
 tagagggagg ccaggaatgc tgcaaaacat cctgnmagtc cccaggccag ccccgacaac 240
 aaagaattat ccagctcaca gggccaa 267

<210> 15835

<211> 311

<212> DNA

<213> Homo sapiens

<400> 15835
 gtattttttc tgttgctttt ctgtgtttak wtacacaaat acttaaaatt gtgttacagt 60
 tgcctacagt attcattaca gtaatgtgta gcagagtata ccatctaggt ttgtataagt 120
 acactctata atgtttgcac aacagtgaia ttgcctaaca atgtatttct catgaggtat 180
 ccccatgtgt aagccatgca tgactgtatt ttaatcttta cttaagtgc ttagaaaaag 240
 aaacaagtgg ttcaggagga tcatgtgagt ttcattgawkt agatgatgac ataagtcttg 300
 aagacagctt t 311

<210> 15836

<211> 182

<212> DNA

<213> Homo sapiens

<400> 15836
 ccttctgcac acccttcctc agcccaagcc cacagcccc tgagtggagg aacgctccat 60
 tctgtggatt agaacagaca taagtcacac ccagtgtgta tcagtgtgta tgatgcccc 120
 tgtctcccag ataggacctg ggctggggag ggacaggaag ggagccctca ggtgcccccc 180
 ca 182

<210> 15837

<211> 244

<212> DNA

<213> Homo sapiens

<400> 15837
 ccatacagtg taagcttttag ctttgatcag ctgctattat tataaagctt accatcttgt 60
 gtgcacacat atggcacgta ataggcatgt gagtgaataa atgcggaaaa aaataacagc 120
 tagttttgag agataatggg taatgcaatg ggtgttagat gcactgggtca gggaaggcct 180
 ctctggaagt tagaaacttg agacaggacc tggattttga gtaggagttg gtctcctggt 240

gatc

<210> 15838
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 15838
 catatgcctg ttgagagcaa gacctgcttc ttccagcaat gaagatgttt tatgcatccc 60
 acaaagctac ttggttctac ttcccgcccc taaccaacc cacttccc aacctatgga 120
 aagaatatat gacctttat cctgtaaagc taactcaaat caaacacaag c 171

<210> 15839
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 15839
 tttttgaaac ttgtttctaa aatccaggtc ccagactact atgacatcat caaaaagccc 60
 attgccttaa atataattcg tgaaaaagtg aataagtgtg aatataaatt agcgatctga 120
 gtttattgat gacattgagt taatgttttc gaactgcttt gaatacaacc ctcgtaacac 180
 aagtgaagca aaagctggaa ctaggcttca agcatttttt catattcagg ctcaaaagct 240
 tggactccac gtcacaccca gtaatgtgga ccaagttagc acaccaccgg ctgcgaaaaa 300
 gtcacgaatc tgactttgtc cttctaaagg atatatttga agaaaaacaa attgttcattg 362
 aa

<210> 15840
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 15840
 ggagagcggg aaggctaaaa cgcggtacta aactgcagcc aactttggtt gtgtgtggaa 60
 aaggcttttag ccatggacag gagtggcttt ggagagatat catcccctgt aatccggggag 120
 gt 122

<210> 15841
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 15841
 cgggcgtggt ggtgggtgcc tgtagtccca gctattcagg gaggctgagg caggggagtc 60
 acttgagcct ggaaggccga ggttgacgtg agctgagatc gcgctattgc actccagcct 120
 ggatgacaga gcgagacttc gtctcaaaaa aaaaaaaaaa 159

<210> 15842
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 15842
 tcttaaaaat aaaattttga agttgttttt aatgatgttc tttttattaa ttcataactc 60
 cttccatgca aaggcttcaa tgtccacgct c 91

<210> 15843
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 15843		60
acataagggg ccaaagcctg ggggtgaagct gtacgtcggc agccccagcc ccagaaaagg		120
aacctactct ccatgcacgt ctctctggag caacctgaag acaggatctt ggcctcagga		180
cagttttgca ggctgggaag tccaagataa agccaccagc atctgacaat ggccttcttg		240
caacatcctc caacagagag gaacaacatg tcctcacatg gcagaagagc acagaggaaa		274
aagaagacca aactcactct tttataagag ccgt		

<210> 15844
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 15844		60
atgcaaggtc tggtttaatt ccgacaacat tccctgtgaa gtagagggtt ttaaatttct		120
ctttcctgga tgagcaaact gaggtcctca gagtccaaag tcctagggct ggtgtgggga		180
aaagccctcc tgatcttctt tggcacttga cactaccctt tggaagtgtc ctattcttct		240
taaaagtaaa gaccaagaga gcctcaccat ggtcttcaag caccctccca tccatttccc		250
caatctggct		

<210> 15845
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 15845		60
tatctaaata tatcattatt ggcatttgaa ttattgttag cagcaattag gtagataggg		120
agagtatgat cagaatttta tggctgaaac aaacttgaaa tatttaaadc ttaatatatt		180
tttctaatat ttgaatattt atcaaaaaca cttatgcttg tattgtggca taattttttc		240
tcaagggtga aatattaagt ggttaattaa atgtagaaca ttctttgggtg accaaatatg		300
aacagggtgc ctgttttctt gtgctgacca taacttatgc acaactcatc aaaataatga		318
ctctaatttt tccttagt		

<210> 15846
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 15846		60
ctcagtttct tcaactgtaaa ttggactgtg gtaaagaatt aatgataaaa tatagtagat		120
atatttttatt ctttgagagt tttacttgta aaacatttct tatataaaag ttaatttatt		180
actgttaggt caggcgttgt ggctcatgcc tgtattccca gcgctttggg agcccaagtg		240
ggcggatcac ctgagatcag bgagtwctag actagcctgg ccagcgtggc gaaaccttgt		300
ctctactaaa aatacaaaga ttggccggac atggtggcgc acacctgtgg tcccagctac		360
tcgggaggct gagacatggg actcgcttga gcccgggagg cggargctgc agtgagttga		394
ggtcttgcca ctgtactcca gcctgggtca caca		

<210> 15847
 <211> 407

<212> DNA
<213> Homo sapiens

<400> 15847
aaacatgttt acacaaaagc ctgtatacaa gtatttatgg aggttttata cacaattgtc 60
aaaacctgaa taccaaaaat ttttcactt ataaatggat aaacaaattt tggtagatcc 120
acacaatgga taaatctcaa acaaatatgg aaagtaaaaa ctcagattca aaaggctaca 180
tactgtatga ttccctttat atgactttcc taaaaaggca aaactgtagg gataaaaaat 240
aaagcagtggt ttgcgagaat cttgcagaag aggaaagtgt ttatgacaaa gaggcacaat 300
ggaacttttt ggggagctag aaatgttctt tatctcgatt gtgatgggta catcaccgaa 360
tgtatttgta aaaacacata aaagtataca ctaaaaaaga tgaattt 407

<210> 15848
<211> 177
<212> DNA
<213> Homo sapiens

<400> 15848
tctacaaaaa ctataaaaag tagccaactg ggaccaactg taaaaattac ttctggctac 60
ttgggaggct gaaatgggag gatcacctga gcccaggaga tcgaggctgc agtgagctgt 120
aatcatgcca ctgcactcca tcctgggcag cagagcaaga ctctgtctcg gcctccc 177

<210> 15849
<211> 208
<212> DNA
<213> Homo sapiens

<400> 15849
actgacggga gaacattggc gtgaaggctg ctggcgactg ggccagcatt cattgtgaag 60
accggaggga cacaccctgc tgctcatgtc tgcagggtc tgagaggagg aagcctgggg 120
caggacctgc gccagtggct gctgggcaca gcatggagca cccagcaag atggaattct 180
tccagaagct gggctatgac cgggagga 208

<210> 15850
<211> 244
<212> DNA
<213> Homo sapiens

<400> 15850
ccaattttca agaacagtaa caaaatatga gccactcaaa ggcagaggac actgtgacac 60
atccactgga aaatggatga gcactaggga gccagatgtt tttatttagc aaatcatttg 120
ctataaatac gttcaaagca tcaaagaaag ccatgtctaa tgaagcaaa gaaagcatgg 180
cgataattat ttatcaaaga gactatcaat tcagacaaaa attattttta aaatcaagcg 240
ggca 244

<210> 15851
<211> 375
<212> DNA
<213> Homo sapiens

<400> 15851
agaaggcact actcctatct actggaaaaa ggatttttat tatttggtta gctttgtgtt 60
ttaaaaaaat gatgagtatg atatcattca tctgttataa aattcaggta acttttactg 120
gtgaacttgt tagttctcac ttttagcttta gcttagccat gcctttatga tacaattgaa 180

tttataaata gcattcttat gttaacataa tgtctgtggt ttcaatcccc gtttattctg	240
acttgattat aacgtgatct gaaatatttc cataatgctg tgataccatt ttgtagtaat	300
ttcattccac gtagaaggat gagcacttaa actctgggac ttgtttatga ttacataat	360
tgtattataa aatgt	375

<210> 15852
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 15852	60
tgttttcagc tcctttgggt taataccaaa aacagtgatt gtgggatcac gtgctaagag	120
taggtttagt tttttagga aatcaccaaa ctgtcttaca aagtggctgt ttcatttttc	180
atttccacca gcaataaatg agagtkcctc ttgcattaaa gcctcgccaa catttgatgt	240
tgtctatgtw ctggattttg gccattctga taggtgtgta gtagaatctc gttttttttt	300
tycatttctc tgatgacata tgakgtagaa catcttttca taacgcttat ttgccaycwa	342
tataycttgt tcggtgaggt gtctgtaaaag gycctttgcc ca	

<210> 15853
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 15853	60
atcagacggg aagcctggac tgtgggttgg gggcagctc agcctctcca acctggcacc	120
cactgcccgt ggcccttagg cacctgcttg gggctctgga gcccttaag gccaccagca	180
aatcctagga gaccgagtct tggcacgtga acagagccag atttcacact gagcagcaag	240
gctaattggtg gaaaccacaca acgaaatcta tgacaagttc aagcagagta cacacagcat	300
atatatgttc ttcaacacat cagagctccg agaagcggta cctgaaccog tgttgctctc	309
ccgggcaga	

<210> 15854
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 15854	60
agaatgaagt aatatttttg ttgggatgca aaagaattat ctcagtgaag ggggatgagg	120
caggaaataa ttctaagcaa aggagagaca ccatgcacaa agtctgaagt aaganagaac	152
atggcaaatt taaggaattg aaaggtggct aa	

<210> 15855
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 15855	60
ttaatggaaa ggacaaaaca ataattttca tttgggaacc tctcagctct ctgctgatta	120
tcttcctgct cttatttatt ttttaggaacc ccaacctcta aaaagttttt aagcattgct	180
atacatcagt caaacagaac aatgttgtaa gcttcttgta cttgtatttc gtactaggta	240
gaaagttaca atcaccatac tgatttaaaa tgcgtgggaa atgagaagta tcaactcaat	252
gaaagcccag ac	

<210> 15856

<211> 451
 <212> DNA
 <213> Homo sapiens

<400> 15856
 acagagacgt atttcatttc aggcagagga aacaagtgtg aaggcctgaa tttaggaaaa 60
 ggcatggcct tgtaatccc agcacattgg gaggccgagg tgggaggatc actcctgggg 120
 agcccaggag ttcaagacca gcctgggcaa catagtgaga tgttttatca aaaaattaaa 180
 aagttttccc agctattggg aaaaaakkaa aagtagttcc agctactcag gaggctgaga 240
 taggaggatc gcttgagcct tagaggctga gggtgtaggg agttgagata ctgccactga 300
 actccagcct gagcgacagt gagaccctgt ctcaaccgct ccctcctccc cccacaccac 360
 caccctaaat aaacagaaat gaggggagta tggctagaac actgagagtg aggggaggat 420
 gtgagatgga actggcgaca taggcaggag t 451

<210> 15857
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 15857
 aatatcaaca ttctatccta cagctctatg tacttttctt ttctatactt taaaattggt 60
 caggcatggt gccttacgcc tgtaatccca gcactttggg aggcagaggt ggggtgggtca 120
 ctttaggtcg ggagttgtaa gaccagcctg gccaacatgg tgaaagaaac cccgtctcta 180
 ctaagaatac aaaaattagc tgggcattgt tacacgtgcc tgtagtccca gctactcggg 240
 aggg 244

<210> 15858
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 15858
 tgaggttagg agttctagac caccctggcc aacatggtga aaccccgtct ctactaaaaa 60
 tacaaaaatt agctggggtt ggtggtgcgt vmctgtaatc ccagcacttt gggaggccaa 120
 ggtgggcgga ttacctgagg tcgggagttc cagaccggcc tggccaacat ggtgaaaccc 180
 cgtctctact aagaacgcaa aaattaggcg ggcatggtgg tgggtgcctg tgggtcccagc 240
 tactcaggag agca 254

<210> 15859
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 15859
 acttttctca gccgtcacgt gacgccgccc ggggcttggg ggaaggggag gggcgcgaaac 60
 cgcagttgct ggcggtgccc ttccgaggac gctttccaag cgagcaatta aacttgctgc 120
 ccgaaatcta aaggcgagcagg ggcggtggca gcggcgggcg gaggcggaaa 170

<210> 15860
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 15860

aaacgcggcc gggcgtggtg gctcacgcct gtaatcccag cactttggga gactgaggcg 60
 ggtggatcac ctgagggtcga cagttcgaga ccacatggag aaaccccgtc 120
 tctactaaaa atacaaaatt agccgggcat ggtggtggca ggcacctgta atcccagcta 180
 ctcaggaggc ga 192

<210> 15861
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 15861
 aagttgacct tgagaattta taatattctg agaaaactgg aagcatgcat aaagcccctc 60
 tgctgtgcac tgaagtatgg gtgccttgag gaaaagcagt tacacagttg agttgcaagc 120
 tgaattggct gtgttcaagg catgcccttt agaattgaaa gaactagcag attacggtat 180
 ttagacttga atatttggct gatattttct ggaaattaat ggaatgagcc tctcacctca 240
 agggaaacaa ctgatagtgt tgccagtgt aaagctttca agcaaaaatt ggaatttccg 300
 aaaatctgta ctccaccatg agctttattg ttggggatat taacaaatgt gatttgtata 360
 atgaaatgca tttcatttgg aagaatt 387

<210> 15862
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 15862
 tctkccctcc ctctctccat accaacctcc ctccctctct ggagctcctg ctctctccct 60
 ctccctcctc tcccgtgttc cctcccttcc t 91

<210> 15863
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 15863
 gggactgttc tatggaagac tgacttgaaa tgtgataaat ctctgccatt gttactttca 60
 cttgcccata ctgttctcct taagatgcaa atakraatgt tgccgtatat ttttttctcc 120
 aaatttagct taaagggata aatatttctt tgacagtgcc acttaagttt aattaaggga 180
 ctaatgcaca cattccctca 200

<210> 15864
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 15864
 ccttttgtat cactccttcc ctgcctttcc tacctatcac tctcgtgctg aaagttggag 60
 gaaaaatcag gaaaggtagt gtcccaaaag cctgcaagga gactgatcca aggaaaagag 120
 agcaatcact tgtttcaagt gctgctgttc tgtcaagaac tgtctgtagc aataccaagt 180
 gcaatttttag tggaggagtg aggccaaagc ctgattggag tgccttctaa agtgagtgga 240
 aa 242

<210> 15865
 <211> 122
 <212> DNA

<213> Homo sapiens

<400> 15865
attatggctc tctttactgg aaatcgtagc ttaaaagtga aatatgaatt ttttttctgc 60
ataggcaaaa tttcccaatt aggtttttga aatttggtt tagaatgaat gattcctaga 120
gt 122

<210> 15866

<211> 113

<212> DNA

<213> Homo sapiens

<400> 15866
ttagcttagg gaaatttcac agttcattgt ggagtgttaa acttagaaca tgtgtaactt 60
ttcacataaa gagaatgcat ctttgacagt tatcttattt gtaaggcagc cca 113

<210> 15867

<211> 253

<212> DNA

<213> Homo sapiens

<400> 15867
atcttttttt ttagtagaga tgggggtttca ccatgttggc caggatggtc tcaatcgctg 60
gaacttgtga tctgcccacc ttggccttcc aaagtgtctg gattacaggc gtgagccact 120
gcacccggcc agctttttat ttttttaatg gatggtgaag ggggtgtggt acgttactct 180
taggaagagt ccgagaaaga agcaccctag atgtggggag ggagtgcttc tgaatgctga 240
gaaggagaag cgt 253

<210> 15868

<211> 149

<212> DNA

<213> Homo sapiens

<400> 15868
gaggaactga gcaggagat aagaacagtc aacagctaata aaacactagt cagagaaaga 60
aaagcattac agacaaatac agaagtgggt taaaaactaa aaggaaaaag ttcacccaaa 120
aagtcacctg agaactacac aggcagccc 149

<210> 15869

<211> 216

<212> DNA

<213> Homo sapiens

<400> 15869
gattgttatg ctggctaagt acattattat agattgtagt tagctttcat tttcatgggt 60
tcatttttga ctaaatattt gagttttaat taggatttat gcatttaatt agtagctgtt 120
atgtgggagg cactgttgta ggcttttgat atactgggtga aataaagatt tgtgccttgt 180
gactctttta ttaagagtgg gatgcggaga ggggtc 216

<210> 15870

<211> 137

<212> DNA

<213> Homo sapiens

<400> 15870
agaggtgcaa tcgaggetca ctgcagcctc cacctcctgg attcaagcga gtctcctgcc 60
tcagcgtttc aagtagctgg gactacaggc gtgtgccact gcacccggct aatttttgta 120
tttttagtgg agacgat 137

<210> 15871
<211> 328
<212> DNA
<213> Homo sapiens

<400> 15871
ggaggtttta tttccacccc cactctccaa atttgtmagc caccttaaaa ttaagcagat 60
gttttaattg gagtcttcag tgtgttgat cagccagttt atttccaag ttcttcattc 120
gtaaaatgat ggggttgac cagataattt ggaaggtttc tttcagcctc cagcactgta 180
atataccatt ataagtwttc taagaagatg gcaaattccc gagaaccttt ttaactgatt 240
cagtttagtt ccaaaacggt tgcagtgata tatacctgtg catagaagac tggactattg 300
atctgacttt ttggacttgt tggaagat 328

<210> 15872
<211> 187
<212> DNA
<213> Homo sapiens

<400> 15872
tgtatcagaa tttcattcct tttgaaagct caataatatt ccattgtatg tataccacca 60
tgttatgctc atccattcat ctgtcggtgg acatttgga tgtgtctgcc ttttggtttt 120
tgtgaataat gctaccatga acattggtgt acaaacatct cttcargtcc ctgctttcaa 180
ttctttg 187

<210> 15873
<211> 151
<212> DNA
<213> Homo sapiens

<400> 15873
atgtwagtra ataggtttta tatcaggcag tggatctata cagcaatgaa tgaatgartg 60
aatgartgar tgaatgaatg aatgggttga tcagccaaca gattaatgtg ttatgaagaa 120
cagattgtwc caagaagtta atcagtgatc c 151

<210> 15874
<211> 116
<212> DNA
<213> Homo sapiens

<400> 15874
ctcccagggt gctgggatta caggtgtgag ccaccgtgcc cggccgtatt ttttgtattt 60
ttagtagaga cagggtttca ctatcttggc taggctgggc ttgaactcct gaccac 116

<210> 15875
<211> 227
<212> DNA
<213> Homo sapiens

<400> 15875

tagaagaaaa cataggtgta aatttttatg ccttgaaagc acaagcaaca ggaatagata 60
cattgtattt catcaaaaat tgtgcatcaa aggataccat caagacagtg aaaagacacc 120
tcacagagtg ggaaatgcgt ttgaaaatc tgtaaagggc ttgaatctac aatatgttaa 180
aaacttttat aactcaataa ttgataaccc aattaaaaac gggcctt 227

<210> 15876
<211> 127
<212> DNA
<213> Homo sapiens

<400> 15876
cattttaagt atacagttcg agttttgaca aaaatatgca ttcagtgtaa ccaccagtac 60
aaacaagtba gagaagtttt tattatccca cagaaagttc ccttgtacag agatctcccc 120
accctc 127

<210> 15877
<211> 123
<212> DNA
<213> Homo sapiens

<400> 15877
cctagtagct gggattacag gtgcacgcca ccaagcccgg ctaatttttg tattttttgt 60
agagacgggg ttctactagg ctggtctcga actcctgacc tcaggtgatc caccgcgctc 120
ggc 123

<210> 15878
<211> 323
<212> DNA
<213> Homo sapiens

<400> 15878
gcaattttta taataagatc agagttggcc aggcgtggtg tctcacgcct gtgatcccag 60
ccgtttggga ggccgagggc ggcagatcac aaggctcagga gttcgagacc agcctggcca 120
tggtgagggc ccgtcttaac taaaaatata aaaggattag ccaggcgtgg tggcagggcg 180
ctgtaatccc agctgcttgg gaggctgagg cacggagaat tgtttgaacc tgggaggsrg 240
tgcttgcatg gagcccatg tgcgcctctg cactccagcc agggtaacag tgcaagactc 300
catctaaaaa aaaaaaaaaa aaa 323

<210> 15879
<211> 100
<212> DNA
<213> Homo sapiens

<400> 15879
agaatggcat gaaccggga ggcggasttg caatgagccg agatcgcgcc actgcactcc 60
agtctggggc acagagccag actcatctca aaaaaaaaaa 100

<210> 15880
<211> 397
<212> DNA
<213> Homo sapiens

<400> 15880
tcgtaagtrc aagtagaacc gtatgccatt atgaggagaa tttttagaac taaggatacc 60

aggacacctg gcctgactta aagcctagca ataggacaca gggtttgaaa ttgaaactat 120
 tcccccaa at ccaagacata cacatatcca tagataaatt ggcaatgatg gctgtaaacc 180
 aaaagtgatt tgggtaactc aagttttatt gagggaaacc ctccagacat tatgttggca 240
 ggaactatgg ccacccatgg tgccatacat aaccccggt caagctgtca gggaacaaaa 300
 taaaattgat atgccctcat gtggctcaga cagtgagtct tgtcagcagt tgttctgccc 360
 aggaaacttc tctgttggtg gtgtcatcat tctatac 397

<210> 15881
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 15881
 ggaaacaaaa ggcaaaatga aggagagtac atcagatata acaaaaggga ccacttaata 60
 gtgagtcttc caaccagagc ttgtgtagcg tcagatcctt gaggatara ggagtagagg 120
 taagaagcta tgttcatggc aggacttttc atacttgtac ttttgggcca ggtttggtgg 180
 ctcagggcta taatcccagc gctttgggag gctgaggcgg gtcac 225

<210> 15882
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 15882
 cccagggcgt ggtgctgaaa gtgctcacia acttcaagag cagtgagatt gagcaggctg 60
 tgcagtcact ggacagaaac ggcgtga 87

<210> 15883
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 15883
 cgggcgtrgt ggtgggtgcc ttagtccca gctattcagg gaggctgagg caggggagtc 60
 acttgagcct ggaaggccga ggttgagtk agctgagatc gcgctattgc actccagcct 120
 ggatgacaga gcgagacttc gtctcaaaaa aaaaaaaaaa 159

<210> 15884
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 15884
 aaattggagc aagaagaaga accatgggtg atggaggaag aagtattaag gagacactgg 60
 caaggagaaa tatggggagt tgatgagcat cagaraaacc aggacaa 107

<210> 15885
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 15885
 actgaagtct aactagatag gtttgttgta agcttaggat gtttacagtt cttcatgtta 60
 agttgagcgt gatgggaagg gaaagaatgc tgatctttaa atttttgtcc ttagttaagk 120

tctgtatttta gtgaattaat tgcatacctaa aaagtsraac ttgaaaagca ct

172

<210> 15886
<211> 384
<212> DNA
<213> Homo sapiens

<400> 15886
gaactcctgg gctcaagaga tctcctctgtc ttggcctcgc aaagtgctaa gtaggattac 60
aggcggttacc accacacccg gctgtaaaaa tgtacttatt ctccagcctc ttttgtataa 120
accatagtaa gggatgggag tratgatgtt atctgtgaaa atagccacca tttaccgta 180
agacaaaact tgttaaagcc tcttgagtct aacctagatt acatcaggcc ctttttcaca 240
cacaaaaaaa tcttttatgg gatttaatgg aatctgttgt tccccctaa gtkgaaaaac 300
aactctaaga cactttaaag taccttcttg gcctgggtta catggttccc agcctaggtt 360
tcagactttt gcttaaggcc agaa 384

<210> 15887
<211> 387
<212> DNA
<213> Homo sapiens

<400> 15887
gtctactgtc gctacgacaa ctatgctgac agcctcaggt tctaccagct gattctccgg 60
aggagcccca gccagaagaa agcggacttc tgcactctcc ctattttttc caacctggat 120
gtggacatcc agttctccct gaaaagactg ccctgtgacc agtgcccggg gccaccgac 180
tctcctgtgc tggagtbccg agtgagggac ataggcgagc tcgtgcctct cctgcccaac 240
ccttgacgcs ccatacagcga ggggcgctgg cagacggagg accatgatgg gaacaagatc 300
ctcctayagg cacaaagggt gcataagarg tttcctaaac ctggcagagt acatcatgcc 360
tccgagarga aacgtcattc cactctw 387

<210> 15888
<211> 246
<212> DNA
<213> Homo sapiens

<400> 15888
taaggctcct ctctacccca cctccattgc agtcttttct tggttttttg ccaatgagtt 60
cttcagagag gcagtagatg gcagtagagg cttttgaatg aggactttca ggttgcyttg 120
gctcacctaa tttcatcctc ccatacctgac actgtgggga atgctgctct ggaaagattc 180
tctgctgcct gcagagctga cagctgctgc ctgaatctac tcactctgtga gcsacaaagg 240
ggcgtc 246

<210> 15889
<211> 288
<212> DNA
<213> Homo sapiens

<400> 15889
ttttgccaac tctttgaaat gttctacacg attggccatc tcttctctac ctattaakka 60
attccccctc atagggtgtat ttaatctagc taaagaataa ttcaaaatgg agattawtsc 120
cmargactca saaccacatt agttcatggg tgtcagcaaa tctgacctgt gaarggggac 180
tcggttacca gtgaaaaatg cttattctat ctgtattaat ggaggtcatt gtgccartga 240
gacctacca gangtggaga ggtgatcttt cagaatctgt taccgccg 288

<210> 15890
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 15890
 atattaggta tgtttgaaa gaatttttgt atttattcct gtdwcagttt tgactttcaa 60
 cttctctccc cgtgcatgga agtcctggta aaggatctaa catctttatt cccttctkto 120
 ctcttccagc tgagcagagt tggataattg aattagtcac tctgacattc tttggaccat 180
 atcatcttag tggtttgggg tcagtgtca tctgatatat ctkcttrsc accttctg 238

<210> 15891
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 15891
 tttatgtaat ctatttaaaa atttttctca gaatataaat aatagttgca gtagtagaac 60
 taaaggtagt gtcagaaaca gtagggtagt gcctaccatg ttatgttagt gaccctgtgt 120
 ctttggttta gggatctagt ggaacatgac cagctatccc cttttgcctg agataccctc 180
 agcttttgat catcactact gagtttttac atgttttagt gaaactatga attactcaaa 240
 tgttgtgatt taaaatgt 258

<210> 15892
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 15892
 ggtaaccgag tcgcvntcgc cgaagatggc ggggcgaagt ctgtntctca cgagaagcar 60
 cgttccaggg actccgttcc cgccaccgt tcagcaaccc tctacacctg gaccgacct 120
 cctcgcttg gaggaagaat ataagtaaga aattcgcgcg ttgaactttt ccttctttct 180
 ttcactgaa tgaggctgct tacaagtact tttttctgga gactggctgg atcttcggga 240
 ccactcactc tgcagcattc ccttctcgtc atctcgttca cctgccgttt atcctttctt 300
 tgtctttgat ctgagtagtt cgctgctgta ttagaagata tttgaagtgg gcgaaaattt 360
 agcccaagcg tttaaatgca gaattgcagg caaaaacagc tgacgtggtt 410

<210> 15893
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 15893
 cctagtagct gggattacag gtgcacgccca ccaagcccgg ctaatttttg tattttttgt 60
 agagacgggg tttcactagg ctggtctcga actcctgacc tcaggtgatc caccgcgctc 120
 ggc 123

<210> 15894
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 15894
 tttgtttgtg arcacataag cgcacaccct ttccccacct tcacttcttg tttccttgca 60

aatgcaaaga caagagtraa ggacttgcct agaggaaaca cagaaatact gatttacagg 120
 tgaaaaatat gtaaatttga aaaggtgttg aaaaggacct aagtttttgt agccacctga 180
 ctaataaaca cagagatac 199

<210> 15895
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 15895
 gaagaacaaa gaaagattca tgaggaaagg atgaaactag aacaagaacg acaacgtcaa 60
 caaaaaagaag aacaaaaaat tatcctgggc aaggggaagt ccaggccaaa actgtccttc 120
 tcattaaaaa cccaggatta aattgcaaac tctgaacttt ttacaaagaa aaatggaaaa 180
 actttgtatg gtagcttcat gttgaagtgg ttttttgttt ttgttttgt ttttttaatt 240
 tgtaaaatct ggaaagttag cttgttctaa taggggctat gctctgcaat tccctttttt 300
 ttttttttcc cc 312

<210> 15896
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 15896
 tctcttact agtcatgctc cccacctatt tggttcccta gttaacttct cttcatcctt 60
 cgatttcaac ttgtgtcact tctccagaa agcctaccet ttctttctta accaggccga 120
 taggctgtca aaaccaggaa tctcttcttc gtagcactac agtcatactc attgatacgt 180
 gtgattatta atgtgggttt tttaaaaaat tagaatgaaa ctcaagagca ggggtac 236

<210> 15897
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 15897
 tttggttcca ttcttgcaga aatttgcaga acctagaaat aaaaagccat ctgtaagaat 60
 tttcagcaat aacacctttt tgatataaac aattttagaa ctcatattata tagcttaaac 120
 kkaatctttc tcttatatca aggtgctgaa gttagaattg aagcaaatca gagakca 177

<210> 15898
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 15898
 tgttcatgtt ggagaagaac tgtgtgattg ggcgccgatg tgtgtagaaa gactgctgca 60
 aaattcttga caacacagta ttacctccag aaactgtggt tccaccattc actgtcttct 120
 caggctgccc gg 132

<210> 15899
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 15899

aagtatgtgg aagcagctgg tgcctgcct catgaacttt agagatgagg atctgctgct 60
 ggtcagttag gcacgtgtgt gctcactagc gatttcctga gttagtaga gcaaattggg 120
 cacctttcac ggtgggggaa ttgtttaact tctttcttgg agttaggaag caataaagaa 180
 gtgcaa 186

<210> 15900
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 15900
 aagttttact catagaagct ggggtatgtg tgtaagggtg ttgtgtgtgt gcgcatgtgt 60
 gtttgcagt aggagaacgt gccctattca cactctggga agacgctaatt ctgtgacatc 120
 tttcttcaa gcctgccatc aaggtaac 148

<210> 15901
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 15901
 ttatacccta ggagcaatag gccataccat gtagcttagg tgtatagtag gctataccat 60
 ctaggtttgt gtaaatacac tctatgatgt taacataaca ataaaattgc ttaacaaatg 120
 atttctcaga atgtgtacct gcaagtgaca catgactgta ttctgtttca agagagtctt 180
 ggagtcacca tccaagctgc ccagttgaca gactagaagc cacgt 225

<210> 15902
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 15902
 aagagcgcg cctcagaggg tcgggcggac gcgcctggtg agaagcaggc agccagtacc 60
 cttgccacg tagaatgggt gaggaggggc cccccagcct ggagtacatc caagccaagg 120
 atctgttccc ccccaaggaa ctagtgaagg aggaagagaa tcttcaggtc cccttcacag 180
 tgctgcagg tgagggagta gagttcctgg gccgggcagc cgatgccctc attgccatct 240
 ctaactaccg gctgcatatc aaattcaagg actctgtcat caacgtcccc ctccggatga 300
 ttgacagtrt ggagagccgt gatatgttcc agttgcacat ttcttgcaag actccaaagt 360
 ggtgaggtga gaacaacgga gcctcactca ggtcccttgg ccctagtctt gtccagttct 420
 ctgtgctgca ggtttctct ggtgcaagag aggaaagatc 460

<210> 15903
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 15903
 tcgtgtataa gctcttcttc taaaatgaaa attactgtga gaattttacc tgaagaaaat 60
 tgagtttact gcaactatct ttgggtcagg tgtgtacctg tgtagtatat attacatact 120
 tagtgtttat actatgcatg gtgtaaaacc aggccacttt gtgctatgag traggactcc 180
 ccaaaagggc atggcagaca ggcta 205

<210> 15904
 <211> 178

<212> DNA
<213> Homo sapiens

<400> 15904
cagacaagga agtcbtggcg agcctggagc agaagctgaa ggaaattgac gaggagtsc 60
ggggcgagga gagcaggcgc gtggacctgg agctcagcat catggagggtg aaggacaacc 120
tgaagaaggc tgaggcaggc cctgtgacgt taggcaccac cgtggacacc acccacct 178

<210> 15905
<211> 137
<212> DNA
<213> Homo sapiens

<400> 15905
gagaaatrrt rvagctgggg gagacatcac atgtcggcag gttccgtgat gccccctgag 60
cggtaaagcc agcaagtrrr tattagcaat tttcaaaggg gagggagtgt aggaataggg 120
tgtgggtcac agagatc 137

<210> 15906
<211> 287
<212> DNA
<213> Homo sapiens

<400> 15906
catccggggg tgcwtgctgc agaggattga ccaagggtgag tcccgccttg ccatggctca 60
saggagcctg gcgctcccttg gctgtatgta ccgagcccca ccagggccac atcgactctc 120
acttcctgtg aatacttgcc atttgacctt aagtcaggac ttggcctgag gaggtccagg 180
gtagaggagc tcagaggggc agggatggat actctctgaa ggaagggccg ttggactggg 240
gctgtsaggg atgtatagga gtkctcagga tgagaagaag gaggcaa 287

<210> 15907
<211> 372
<212> DNA
<213> Homo sapiens

<400> 15907
agatcgctcc gcccccatcc gcagttctaa ctttggcctg ggactctgcc cctctacctc 60
agcacagaat cgccccgggt cctactacag aatcaatcct tgaacactgc ctccrcgtcg 120
ccggctcaat ctgggcgaga acccagactt ccaccgcagc cccgcaatct gcagacctca 180
gcggcagcgc aggtggcaga cctgcctcct ttgcctgtga gtcatggcag ctcccatgaa 240
tggccaagtg tgtgtgggtga ctgggtgcctc caggggtatt ggccgtggca ttgccttgca 300
gctctgcaaa gcaggcgcca cagtttacat cactggccgc catctggaca cccttcgcgt 360
tgttgctcag ga 372

<210> 15908
<211> 384
<212> DNA
<213> Homo sapiens

<400> 15908
atgcctgtag tcccagcact ttggsaggcc gaggtaggcg gatcacaagg ttaggagtkt 60
gagaccaacc tggccagcgc ggtgaaacct gtctctacta aaggtacaca aaaaatgagc 120
tgrggcgtgg tggcangcgc ctgtgttcct cagcctccct aggggctggg atcacaggca 180
tacggcacca ttttcggcta agttttgtat ttttggtgga gatgggggtt tgccgtgttg 240

cccaggctgg tctcagacga catcaggtga tctkcctgcc tgtgactccc aaagttctgg 300
gattacakgc gtgatcccag trttgtkktg ttttkagtac attgcaatta atgtttacat 360
tcaaacttta aaattccttg gatc 384

<210> 15909
<211> 127
<212> DNA
<213> Homo sapiens

<400> 15909
aatgactagg atctcttggt ctttaatttt agggcttctg tccaggactc aaatcagtaa 60
cttgggtgatt acaakgtgct gaatgtgkkg gtaaccatat cgcaatacac ctcaaggaaa 120
aggaacc 127

<210> 15910
<211> 158
<212> DNA
<213> Homo sapiens

<400> 15910
tttgaagatg gattgaagag aacgtccacc ttaaggcttt aaaagacagt naagctgggt 60
gcggtggtgc actcctgtaa ccctgggact ttgggaagct gaggcaggaa gattgagcct 120
aggagttcga gaccgacctg ggcagcatag cgagacac 158

<210> 15911
<211> 159
<212> DNA
<213> Homo sapiens

<400> 15911
gcatatattg cttgtgcctg tggccttttc atttaccagt ctttggatgc tattgatggg 60
aaacaggcaa gaagaaccaa tagtagttct cctctgggag aactttttga tcatggctgt 120
gattcactat caacagtttt tgtggttctt ggaacttga 159

<210> 15912
<211> 162
<212> DNA
<213> Homo sapiens

<400> 15912
ctatatttatt atcttatttt agtatggtac atttatttca actaaggaat caacattggg 60
acaggatatac cccagagata ttgtgggtca gttccagacc actgagataa agccagtatt 120
gcaataaagt gagttgcatg aatttttttg tttccccacg cc 162

<210> 15913
<211> 92
<212> DNA
<213> Homo sapiens

<400> 15913
atcagaacct aggaaagaat gaatgatact ttcagataag accarttggc agcctagaat 60
ttgttttatt tttccttctt tggtatctat ct 92

<210> 15914

<211> 130
 <212> DNA
 <213> Homo sapiens

<400> 15914
 cctgattctc ctggagtctc cagcccgccc agtggccgca gtcacccagg tccagaggcg 60
 gcggtatcac aggctctccg acatgtctat gctggctgaa cgtcggcgga agcagaagtg 120
 ggctgtggat 130

<210> 15915
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 15915
 agtagcggct ttttgagaca gggctctcact ctgctgcccc ggctgghgtg caatgggtacc 60
 atcatagctc actgcagcct tgacctcccc ggctcaagtg actctcctgc agcagccacc 120
 tgagcagctg ggaccacaag tgcacacccat catgcctagc taatttttct attttaagta 180
 gagacgggggt ttcacccatgt tggccaggct ggtcttgaac tcttgacctc aagtgatcca 240
 cccgcttcag cctcccaaag tgctgggatt tcaggcgtgg gccactgyac ccgacctatt 300
 tttgttatta ttatkattat tattatTTTT ggagac 336

<210> 15916
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 15916
 attaatgggt tatcacagga atgggactgg tggctttata agaagaggaa aagagaactg 60
 agctagcatg cccagcccac agagagcctc cactagagtg atgctaagtg gaaatgtgag 120
 gtgcagctgc cacagagggc cccc 144

<210> 15917
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 15917
 cagctaacac taaatgagat ctataactgg ttcacacgaa tgtttgctta cttccgacgc 60
 aacgcggcca cgtggaagaa tgcagtgcgt cataatctta gtcttcacaa gtgttttgtg 120
 cgagtagaaa acgttaaagg ggcagtatgg acagtggatg aagtagaatt ccaaaaacga 180
 aggccacgca a 191

<210> 15918
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 15918
 aattaaattt gaatcatata catttttcta aactgtggat gtgtaggttt tatttagtga 60
 acactagtta taatttctaa atgtggcta 89

<210> 15919
 <211> 110

004220"666E7560

<212> DNA
<213> Homo sapiens

<400> 15919
acccacccat aataggatct ttgtaagagc acacagccaa gagctatgtg agagctgtgc 60
gctcttaaca aagagatgtg tgccagttgg cattcatgtc ttaacccta 110

<210> 15920
<211> 135
<212> DNA
<213> Homo sapiens

<400> 15920
tattttctgt gtcttttgag attatcatgg agtttttttg tttttaactc tgtttatgta 60
gtgaatcaca tttatcaatt tgtgtgtatt ggatcatcct tgcataccaa gaataaacc 120
acttgattgt gctga 135

<210> 15921
<211> 127
<212> DNA
<213> Homo sapiens

<400> 15921
acatgatgcc cctccctgct cccagccgct tcggatcatgt gaccgcctgg ggagtcaggg 60
gcggaagtcg gggctctgacc cgctccaggt ccgggactgc ggatagaaga ggaccgccgc 120
cttgagg 127

<210> 15922
<211> 98
<212> DNA
<213> Homo sapiens

<400> 15922
gagatacaga gckaccatgt gactttacct gattgccctc agtttggggg tgcttattgg 60
gaaagagaga gacaaagagt tacttggttac gggagaat 98

<210> 15923
<211> 212
<212> DNA
<213> Homo sapiens

<400> 15923
ttaggagttc gggaccagcc tggccaacat ggtgaaatcc cccctctact gaaaatacaa 60
aggtttagctg ggtgtggtgg tggbmacttg tgatcccagc tactagggag gctgaggcag 120
gagaatcact tgaacccggg aggcggaggt tgcagtgggc tgagatcaca ccactgcact 180
caagcctgca tgacagagtg agactctgtc tc 212

<210> 15924
<211> 227
<212> DNA
<213> Homo sapiens

<400> 15924
aatgacattc ayytaatgct tatagtgtgt caggtagttt atgtaaagaa tgaaaagaac 60

tagatacgtc tacttctcag agttgtttta tactatctta tggataagaa aatttaagtt 120
 aaaggagatt aagtaactgc ccaacatcag gtaattactc agcattaaag ccaaaacata 180
 aaaaatattt attgagcacc tattgtgttc tgaagatata gcggcca 227

<210> 15925
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 15925
 aacccgsgg amgatggcgg cacsytctga gtgggcccctc tgcgggctcc gcggctgggg 60
 ttcctggcgg gaccggssgt ctctcggcag tgagctcggg cccgcggctc cgcctgctgc 120
 tgctggagag tgtttctggt ttgctgsrac ctcgaacggg gtctgccgtt gctccggtgc 180
 atccccaaa ccgctcggca a 201

<210> 15926
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 15926
 aggtctaagc cctcgagctg tgggttcgag tcctgggttg cgtgcattcg tggaaagcgg 60
 cgtastgccs gtgtgtgtga tggttccgtg gctgcaagga agtaa 105

<210> 15927
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 15927
 tggctcggcc tcccaaagtg ctgggattgc cggcatgagc caccacgccc agctgggttca 60
 ttattttaaa aacgttttta attaaacttt ttttttkgg gatggagtct cactctgtcc 120
 cccaggtcgg watgwastgg tgcgatctcg gctcactgca gcctccacma ctcggggttcg 180
 ggtggttctc cagcctcagc ctcgcgagta gctggga 217

<210> 15928
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 15928
 tgccttsgcc tcccaaagtg ctgagattac aagtgtgagc cactgcgccc acccaraaac 60
 ttctttgttg agatgaggtc tcaactctgtt gtccaggctg gtcttaaact cctgggctta 120
 agtgcctggg aggcctctgt cggcctccca aagtgttggg attataggca tgaaccassa 180
 ttcctagcca actagtgtt tttgtatcct gtacaagaaa tctcgctttg ctacca 236

<210> 15929
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 15929
 agtagagata gggtttcacc atgttggcca ggctggtctt gaactcctga cctcaaatga 60
 tccacctgtc tcggcctccc aaagtgtctg gattacaggt gtgagccata gcgcccata 120

<210> 15930
<211> 157
<212> DNA
<213> Homo sapiens

<400> 15930
aactttctga cccaacagtc acccagcgcc ggacgcgccc cgccctggcg gctctagga 60
cccccccgcc gctgcactt agccccgcgc ccgagtcac agacaaacga atttaaagga 120
gcaaccgagg aggcacctgc gaaagaaagc ccacacc 157

<210> 15931
<211> 245
<212> DNA
<213> Homo sapiens

<400> 15931
tggtttctta agatccagaa gtttttgctt tagcttaagg atgtgtgcaa ttttccatgt 60
ggcttcataa ttcattccatg actttgaatt ttaaaatgga gagaagttgg cttcccagga 120
aatggtgccc ctggccctgg gcatcgcccc acctggctgt ctccaaggct ctccttccca 180
gtggctggtg cgggctccgg gagctcagct gaggccatt ggggtggcaa cgaaaggga 240
gcaga 245

<210> 15932
<211> 216
<212> DNA
<213> Homo sapiens

<400> 15932
tggtgaaaag taattgaaaa aggtgatagg taaattttta ggcaaagata atttatttca 60
ataaatcttt caaaagcctt acctgaaat gctgttagta aatttctgtg attttttyw 120
tttwaatttg tttkgckgag ascatagcwa tttgttttwa tkgwaaaaca ataataataa 180
taaaaagcaa actcwatkgg kgtgttgtgt gtggct 216

<210> 15933
<211> 186
<212> DNA
<213> Homo sapiens

<400> 15933
ttgggtggccc tcaattcctt sattactaca aataatattt tattaaacat tcttatttctt 60
atatctttat ttttatttgt tgatttattg actgattgac aggctagaca acacaktakt 120
acctgcascr agktaaktma ctgcaacctc aaaytccagg gcaccagcaa tcttccgcct 180
tagcct 186

<210> 15934
<211> 285
<212> DNA
<213> Homo sapiens

<400> 15934
tggaagcag csgtactcct accagtacac ggtggccaac aaggaatacg tcgcctacag 60
ccacacgggc cgcattcatc ctgcaatctg gttccgctac gacctcagcc ccatcacggt 120
caagtacaca gagasacggc agccgctgta cagattcatc accacgatct gtgccatcat 180

tggcgggacc ttcaccgtcg ccggcatcct ggactcatgc atcttcacag cctctgaggc 240
 ctggaagaag atccagctgg gcaagatgca ttgacgccac accca 285

<210> 15935
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 15935
 gccttggcct cccaaagtgc tggcattaca cgtgtgagcc accacgcctg gctgttttgg 60
 ctttttgaga ctgcaattcc gtgtgaattt gacgatcgac ttctttatct gtgaaaaaga 120
 cagttggaat catggtaggg attgtgatga atctgcatat aatgccttga gtagttagca 180
 tttcattgat gttaagtctt tctacccatg aacacagatg tctttccatt tatttagggg 240
 tttttttt 248

<210> 15936
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 15936
 gcaatttttaa tamtaagatc agagttggcc aggcgtggtg tctcacgcct gtgatcccag 60
 ccgtttggga ggccgaggcg ggcagatcac aaggtcagga gtccgagacc agcctggcca 120
 tggtagggcc ccgtcttaac taaaaataca aaaggattag ccaggcgtrg tggcaggcgc 180
 ctgtaatccc agctgcttgg gaggctgagg cacggagaat tgtttgaacc tgggaggcag 240
 tgcttgcagt gagcccagat tgcgcctctg cactccagcc agggtaacag tgcaagactc 300
 catctaaaaa aaaaaaa 317

<210> 15937
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 15937
 ttaggagttc sgsaccagcc tggcmaacat ggtraaatcc cccctctact gaaaatacaa 60
 aggttagctg ggtgtggtgg tgggcacttg tgatcccagc tactagggag gctgacgcag 120
 gagaatcact tgaaccggg akgcgmggt tgcagtvsge tgagatcaca ccactgcact 180
 caagcctgca tgacagagtg agactctgtc tc 212

<210> 15938
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 15938
 ataccaaccc tataaggcag ggaggtgctg ttatcaatct ctatttccag ataggaaatt 60
 gaggcacaca gagaactgac ttgctcaaga ttacacagct agagcagaga atgatcccag 120
 gcagcccagc tccagaatct gctgtttgat ccctatgcag taaacctgtt agaagcatgt 180
 catccagccc ga 192

<210> 15939
 <211> 206
 <212> DNA
 <213> Homo sapiens

```
<400> 15939
tatctgatga cttggattca tctttagcca accttgtggg caatcttggc atcggaatg      60
gaaccactaa gaatgatgta aattggagtc aaccaggtga aaagaagtta actgggggat      120
ctaactggca accaaaggtt scaccaacaa ccgcttggaa tgctgcaaca atgaatggca      180
tgcattttcc acaatacgca cccaca                                     206
```

```
<210> 15940
<211> 241
<212> DNA
<213> Homo sapiens
```

```
<210> 15941
<211> 379
<212> DNA
<213> Homo sapiens
```

```
<210> 15942
<211> 100
<212> DNA
<213> Homo sapiens
```

```
<210> 15943
<211> 151
<212> DNA
<213> Homo sapiens
```

<210> 15944
<211> 128

<212> DNA
<213> Homo sapiens

<400> 15944
tttgtgtttt tagtagagat gaggtttcgc catgttggtt aggctgggtct caaactcttg 60
acctcgggtg atccactcac ctcggcctcc caaagcgctg ggattgcagg cgtgacvacc 120
acgctgga 128

<210> 15945
<211> 139
<212> DNA
<213> Homo sapiens

<400> 15945
gggagggtcaa ggctgcagtg agccacgatc gtgccactgc actgcagcst aggcacaaaag 60
tgagaccctg cctcaaaaaa aaataaaatt aaattgaatt gaaattttat gacacaccag 120
gctttagcta ataccgcgt 139

<210> 15946
<211> 454
<212> DNA
<213> Homo sapiens

<400> 15946
tgtatttttg gtgaagatgg gggtttgcaa tgttggccag gctgggtcttg aactcctgac 60
ctcgggtgat ctgcccgcct cggcctccca gagtgcgtggg attacagggtg tgagccacag 120
cacctggcca aaaaagttaa cttttaagta aaagtgcctc tgagacaagt cctgagttcc 180
ccttcctctg gtgcaataga cacttgactt tgagatccag ttggctctca tggagtaatg 240
attgactcac aatattgaag attcctcccc tgtgtttctc tatcttaagg agaagttttt 300
cagcactgat actgtaatta tttcagccaa tacttttgat cacttccatt tgcttgcaaa 360
gccagaaact tctctcaaga agattatagc tgagtatgtw aaacaaaata tatgtacaac 420
tgtaatacca acaagcacag tggtaagtta taac 454

<210> 15947
<211> 228
<212> DNA
<213> Homo sapiens

<400> 15947
tagaagaaaa catagggtgta aattttttatg ccttgaaagc acaagcaaca ggaatagata 60
cattgtattt catcaaaaat tgtgcatcaa aggataccat caagacagtg aaaaagacac 120
ctcacagagt gggaaatgcg ttttgaaaat ctgtaaaggg cttgaatcta caatatgtta 180
aaaactttta taactcaata attgataacc caattaaaaa cgggcctt 228

<210> 15948
<211> 261
<212> DNA
<213> Homo sapiens

<400> 15948
cagatgccca tttgaaactg aagttaggga ggtaattcag taaccatcaa aactaaagtt 60
agggaggttag ttcatctact aagtatttat aacctgcttc atgtagaaca cagccttaga 120
gatcagggat ctaataggtc agatacgtag agacctgact ttcaaaaggc ttacagtcca 180
gctggaaaat cagataaata tgcagacaat ttaaaatatc tccaagcaca tcctccagca 240

261

actgttgagg ttccacaca t

<210> 15949

<211> 317

<212> DNA

<213> Homo sapiens

<400> 15949

ctttaaatat	ttgttttcca	attgtttggt	gccagtacat	agaaatataa	tagggttttt	60
tctgtatat	gattttgtat	catatgacct	tattgaacca	atttattatg	tatatatatt	120
ttttgtagc	tttcttagga	tctgttatgt	atacaatcat	gttgtctatg	tcaagacagt	180
cttacttctt	cctttacagt	ttatatgctt	cttatttccct	tttcttgctt	cattgcgctg	240
actgggactt	ccagttcaat	gttaaaaaga	agtagtgaga	actgacatct	ttgccttggt	300
cttgatctcg	agagaaa					317

<210> 15950

<211> 222

<212> DNA

<213> Homo sapiens

<400> 15950

tgtgtgccac	catgcttagc	taatttttaa	atTTTTTgt	agagacaggg	tctcactaca	60
ttgcacaggc	tgatctcgaa	ctcctggcct	caagcaatcc	tcctgcctcg	gtctcccaaa	120
ttgctgggat	tataggcatg	agctaccaag	cctggctgga	aatttgcttt	ttacaagatt	180
gaacagggaa	agagtaaagg	cagagtggca	gtkaaggagg	ca		222

<210> 15951

<211> 56

<212> DNA

<213> Homo sapiens

<400> 15951

aacaccaag	agccctagga	gtatttttaa	aagaactcct	tctaagtgct	atattc	56
-----------	------------	------------	------------	------------	--------	----

<210> 15952

<211> 182

<212> DNA

<213> Homo sapiens

<400> 15952

agacagtgta	gtcctgcaaa	acattttgag	gtacattggt	ttgtctcagc	tattttgtag	60
cagactcgtg	ccccattag	tgtgcctctt	tggaaattat	cgccacatt	tgtaatatag	120
tcgccattga	aaagttaatt	atcctttktt	tagggatttt	gatgtcattt	cttttttttt	180
tt						182

<210> 15953

<211> 120

<212> DNA

<213> Homo sapiens

<400> 15953

ttttatctgg	acttcagtta	ccttctgtta	aggtttgaga	acttggtgtca	aagttctcgg	60
tagtggttct	ttggcctgga	gcaagtssaa	gggaagctta	aaccagaaga	acctatcctt	120

<210> 15954
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 15954
 ttagttgcaa tctacttaac cactaatgac attaatcatc tttttatata ctcatttgcc 60
 attcctgtag cttctttggt gaaaggctcg ttcagttctt tataaccatta tttttaacag 120
 gtttattgag gttaattta cataccataa aaatctacct actaaaagta tacaattaaa 180
 tggtttttca tatatttttg gagttgtacg gtcgca 216

<210> 15955
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 15955
 tttggatgga gacagaacta attctaggtc cactggtggc aaatgtggtt gtggattcaa 60
 acacttttgg gatggttaagg agtatgacaa tctaccagaa gctttcccta ttactttaga 120
 atgaggtgga 130

<210> 15956
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 15956
 tccagaagaa gatgcactaa gtagcaaaga acactcagaa agcagtggtt agaaaaattt 60
 acctcagaat ttactgaata tatttaatac gatagctgaa tttgaaaaag aamaaggaaa 120
 tt 122

<210> 15957
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 15957
 agagaacagg gmtcttttta tcagagaaag gtgcagatgt gagattgaag taaaagaaaa 60
 cttgtggttc tgcatttgta ttggaaatat cattatgaac tcgrgrkcta tattatcttt 120
 aaaaaatata tgctggctgg gcacagtggc tcacacctat aatcccagca cc 172

<210> 15958
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 15958
 cttcggggag gaggggctgt ctgggctcgg ggcgcggcgg cagtcggctc tatgttcgcg 60
 gtcttaacct ctctctggc cgagtccttg caagaagtga attacccgac cctct 115

<210> 15959
 <211> 367
 <212> DNA
 <213> Homo sapiens

```

<400> 15959
tggcaaagtc atttacttag cgtasaatta ctcatttttg acccactaat cccagacttt 60
tcttgtcttg gcacggtggc tcacgcctgt aatcccagca ctttgggagg ctgaggtggg 120
cggatcacaa ggtcgggaat ttgagaccgg cctgaccaac atggtgaaat cctgtctcta 180
ctaaaaatac aaaaattaga caggcatggg ggcacgcgcc ttagtccca gctagtcggg 240
aggctgaggc gggagagtcg cttgaactgg ggaggcgaag attgcagtga gccgagattg 300
caccactgca ctccagcctg ggcgacggag ctgtctcaaa aaacaaacaa acaaacaaaa 360
cccccaa 367

<210> 15960
<211> 158
<212> DNA
<213> Homo sapiens

<400> 15960
ttctcatttc atttgatgta cacagccaaa gtgggaatta aaaaaamama attaccaact 60
agttcagaga gctaaattga gtctatcatt atggcaaagt ctgacccaaa attttaattt 120
gtaatttttag catgtgtctc atgcactttg ggggarma 158

<210> 15961
<211> 371
<212> DNA
<213> Homo sapiens

<400> 15961
ccataggctc tcttcgagcc ggataaccaa gaggggcccg tagtgtggct cagtccaagt 60
cagaaggccc aagaaccaag gaggctagtg ctgtcacttt cggtttgagg ctaaagaccc 120
tagagcccta gggcccactg gtacaagtcc tagagtccaa agaccaagga acctggagtc 180
ctcgtgtcca agggcaggag cagaagggtg tectggctct gcaagagaga taatttgccc 240
ttcctcctcc tttttgttct gttcaggctc tggatgagtg ggcgggtgcct gctcttggtg 300
agggtggatc tgcccactca gtccaccac ttacatgccg gtctcctctg aaaacactct 360
caaggacacg c 371

<210> 15962
<211> 113
<212> DNA
<213> Homo sapiens

<400> 15962
ttaaattttt attcccatga acttcacat ccaaatttc tcttttttaa aaaaactttt 60
tctttcaaca tcacactgga agtccttaca cattttctct taaggagcgc acc 113

<210> 15963
<211> 240
<212> DNA
<213> Homo sapiens

<400> 15963
tattaccagc atcccagaag ccttccttca tgttcagggt gtgtttaaat atgtttgaaa 60
aatatgtgaa cacctttgag gtgaaagagt attcagtga tatgatggc atgatgatgt 120
caccttgat ttaaggcatt ttcttaagat gtgtaaagta tgttcctta aatctctctt 180
taagatagag gtacaggtat cgacttattt cataaagaaa ctaagtctca aaaaaaaaaa 240

```

<210> 15964
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 15964
 tgtggtggcg cacctgtagt cccagctatt tgagaggcta aagtgggaga tcacctgatc 60
 ccgaaaaatc agggctgcag tgagccgagt atgtgccact tcaactgcagc ctgggcgacg 120
 ggaatgagac cctgtctcaa aaaaaaaaaa 150

<210> 15965
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 15965
 tgaggtgtga ttaatctcca ggaaaaatgt taccaggatt ccctttgtaa ccatgacaaa 60
 atgctgagaa gtggtggaca cttagttgct gaaaagcact gaacgttcgc tttcatctga 120
 caaagtcttt ctgaataata caggagaggtt cgggagggct 160

<210> 15966
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 15966
 aactaaagag cttctgcaca gcaaaaagaaa ctatgatcag agtgaacagg caacctacag 60
 aatgggaaaa aatttttgca atctatccat ctgacaaagg gctaatatcc agaattctaca 120
 aagaacttaa acaaatttac aagaaaaaac aaacaacccc atcaaaaagt gagtgaagga 180
 tatgaacaga cacttctcaa aacaagacat ttatgcagcc aa 222

<210> 15967
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 15967
 tctctgttgt atgttggatt atgtaggaaa tgtttgtgta caattcaaaa aaaaaaaaa 58

<210> 15968
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 15968
 aatacattag cagtgtcaaa agatgatttt acagaacaga cgtgatcgtg gtggggatat 60
 ttacaggag atctgctagc agagtcttgg gatctcttca ccacctacaa acacattcaa 120
 acctcaggta acaccagggt tctgaggtgg ctcaagtatg tcttcagctc tgataaacac 180
 attgaccaag cattgcactg tgtttttcct ctagtatttc tgttttctag cttttcctca 240
 agaccactct tttggttcag agcaaaggac ctataggaaa gtgggcctca agagacccca 300
 taacttctct gtcttgcttt ctggctcaac agccacctat tctttctctg tttcctccat 360
 gcttggttct tctagcttgc tattttacaa aaccatccat cttytccaag tctagggdct 420
 naaggactga gggtcacatg gagctagagc tgtcagttgg cca 463

<210> 15969
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 15969
 acgcaagatg gcggastgga ggaggtgact ctggacggga agcctcttca ggcgctgcgg 60
 gtgaccgacc tgaaggccgc actggagcas cgaggcctag ccaagagcgg gcagaagagt 120
 gccctgggtca agcgggtcaa aggggctcta atgctagaaa atttacagaa aactcaaca 180
 ccccatgctg cattccagcc aaattcccag attggtgagg aaatgagcca gaacagtttc 240
 ataaaacagt atctggaaaa gcagcaggag ctacttaggc agcgtctgga acgtgaagct 300
 cgagaagctg cagaacttga aggagaaarn kckcaatttc tgaagagaaa ggtgactctg 360
 atgatgagaa accaaggaaa ggagaaagac gatcatctag ggtcagacag gcagagcagc 420
 taaactgtct ga 432

<210> 15970
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 15970
 ctggtgaaaag agtacaccgt actcaagcag gcaacagaga acaagcgggtg ggccctccag 60
 gagttcagca aggtctaccg ttgagctctg gcagggccag gagacatggc ttctgcatag 120
 ctgctgcctc ctaatcttcc tgctagtggg accaccttca cctggggctg ccttcagtac 180
 aagggagtgt ggaaatgctt acgcttgaaa cactgcagtc atttaggcac tctcctgggt 240
 tctctttatt ttttatgact gggccg 266

<210> 15971
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 15971
 taccgtgctt tccgtgtggc ggcasatcgg gacactgcgg ascttctcag gcagtgcag 60
 cagcaggact agcaagtccc agggcggtta ttataccac cccttcccag agcttctgcc 120
 tgccagcact tccttcgctc catcgtctgg cgccttcctt cctctactgt cctcatgagc 180
 ccc 183

<210> 15972
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 15972
 gtaaattaag ctggcatttt ccgttgctat gtggggactc tgcttttgga aaacacttct 60
 gtggcattgt atggaatcgt taacgggctt gctggtttcc ctgccttgac ctcccttcat 120
 tttccactgg gaccacttcc tcttgagcat aggttctcac attttctgct cgagggtgtca 180
 gctctgtggc cactcttctg ccaaagggca ccaggaggtt cctcaaagga ccttttgaac 240
 tgtttggtca atgaatgaag agttcagtcg gacagtgcag aggacagcag c 291

<210> 15973
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 15973
 tctgctttgc aagtttttga gtgactatta tgtgccaggc attgttctga gtgctgggaa 60
 tgaggcagtg aataaaacaa agtctttgct ttcaatatgt ttagtttttag tggggtgagc 120

<210> 15974
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 15974
 cccttcccc ttccgagttc tatgcctacc aagaagctgc acgcgtgcct accccaggag 60
 gagaggaact gggggtgggg gagcgggggc tgggaataaag ggaagggcag tagggagaat 120
 cagttctccc tggaggagat ggcacacttt gcttggagaa gaaaaactac aaactaccca 180
 ggagttgccc ccaaaaaaga aatacaagga gttcaagaaa gctaggaaaa tgtaaataca 240
 aatagattta atatggagag acagacaaca ttcttgtcta gtcaacctat tgactagcat 300
 adgttaaagc cccagtgggg agagtgtggt ctgctgggg actggacctg tccatgggg 360
 ggaatggaaa gtccagtggc aga 383

<210> 15975
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 15975
 ctctgcatgc tttatggcct tggctctggg ccaaggtgtg tgatctcctg cattcatggt 60
 gtgtggtgtg aggaggggga tgggtccctg ccccgctcgc acgtggccct catgattccc 120
 gcgctag 127

<210> 15976
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 15976
 attgaaaggc ctcttggttg tttccagttt tggcagttag gaataaagcc gctctaaaca 60
 ttctcgtgta ggttcttatg tgcacataag ttttcacctt gtttgtataa atgtcaagga 120
 acccaattgc tatgtcatat ggtcacataa cgttttagttt tgagaaattg ccagatggtc 180
 ctccatagtg cccatacctt tttgtatttc tttttttttt tt 222

<210> 15977
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 15977
 ctaaavagg agggagaaga taaaggaaac ttctagcccc tgtccttagt gctttgagga 60
 ttttattttc tcccttacta cgcttgcttg acgtcactct ctctcgacct ccaaacagca 120
 ggactctttc tctgggaaac catccttcca aaacggaatc tatgtagaca atgggacggt 180
 aggcagagag ctccagatggc ccttttaagg gggctccaag aaccaacatc actgctcttt 240
 tagataaacc tctgccctcc actccttgct tgagtggggt aaaggaacta acagtgtgcc 300
 ctttaggagg acaaaatggg gtcaagagga cacagaagag ttgtatagca ccagattggt 360
 tccaaatagt taatggatgt gtgcacattt tctgttcagg gatta 405

<210> 15978
<211> 198
<212> DNA
<213> Homo sapiens

<400> 15978	
tctttacatt tbaattaact aatcaacaat cttattttaat ttgtatgtta taattaagat	60
aaagaaataa tgggtattat tcaaagtata cattcatatt caaaattggt aaatccatgt	120
atatcact aacacacata atgtgtatga cgtaatttgt ataagagcgt ggcccttata	180
caactgtgaa acaccgac	198

<210> 15979
<211> 397
<212> DNA
<213> Homo sapiens

<400> 15979	
taaagacata gayaaaagaa gggagaaaat ttaccattgc aaacaccaaa aagaaagcta	60
aagcagacct attaatcca gacaatataa gcttcacaac aaggaagagt atcagcgata	120
aggaggagc tgacatagtc cactttccaa gaaataactg tctttaatgt gtatacacct	180
aacagcaacc ttcaaaatac ataaagtga gactgataga actaaaagggt gagtagaaaa	240
atccacaatt gtagttggag acttctatat ccctctcagt aactgataga acaagtaggc	300
agttaaatca gtarggatct vragtatttg agcvacactc gaccaacatg acctaagaga	360
catttataga acacatcact cgacaacagc agaacac	397

<210> 15980
<211> 152
<212> DNA
<213> Homo sapiens

<400> 15980	
aaaaaattgg atyatgttgg ccgggtgcag tggctcaggc ctgtaatccc agcacttkgg	60
gaggccgagg cgggcagagc acgaggtcag gagatcgaga ccctcctggc taacacgatg	120
aaaccctgtc tctactgaaa aaaaaaaaaa at	152

<210> 15981
<211> 412
<212> DNA
<213> Homo sapiens

<400> 15981	
cagtcattgt tcwttttctt tagtgtttac tgcagctggc tctcaggcag ccttcgcttc	60
cgcaaaatga ggctcattc tcttttctta ctctgtcttt aaatgtagtt aagtcattag	120
ccgccttggt tctcgtcag cactctttca tgtctcattg ctgggaggat tactcccaa	180
tctggttttc cagttctgct tctcatgagt ccctcgattc ggcttcttca gtaaaacatt	240
tttaactggt ttttctgctc tcagggcaac tcaagacagc tagcaaaaca aaaagcaagc	300
taattattcc ccttcatttc ctcttctcct ttcttcttat ttttgagac agagtctcac	360
tctgtcacc caggccgaggt gcagcgggtg gatctcagct cactgcaacc tc	412

<210> 15982
<211> 101
<212> DNA
<213> Homo sapiens

<400> 15982
aagaatcact tgaavmaggg agtcggaggt tgcagtgggc cgagatggcg cactgcact 60
ctagcctggt gacagagaag actgtcccca caaaaaaaaa a 101

<210> 15983
<211> 275
<212> DNA
<213> Homo sapiens

<400> 15983
tacaaaaatt agccaggctt gactgggagc ggtgggtcac gcctgtaatc ctagcacttt 60
gggaggccgg ggtgggtgaa tcaccagagt ttgggagttc aagaccagcc tgaccaacat 120
ggagaaacct catctctact aaaaatacaa aattagccag gcttgatggt acatgcctgt 180
aatcccagct agttgggagg ctgaggcagg agaatacatt gaacctggga ggtggagggt 240
gtggtgagcc gagatcatgc cattgcactt cagcc 275

<210> 15984
<211> 115
<212> DNA
<213> Homo sapiens

<400> 15984
aatatatama asrtccctct atagctctga tagggccatt tattaagacc tgctatacca 60
tttcttgctt tagggattac atatgacttt ttagaactgt ggagatgggc agatt 115

<210> 15985
<211> 229
<212> DNA
<213> Homo sapiens

<400> 15985
acttttggag cagcattttt ctgtcttgca tcttgcctgt ttggaaagggt ataaatctca 60
gctgagatta attgggataa tccttgctac catccagact ggcagtatgt ttcatatagc 120
cctgagtga gcaggagcca ccatagaaag ccatttcagg gtcatgcaga gtcttttcag 180
ttcatgagat gtatgtttca aaggcagtga atgttcaata acaccacaa 229

<210> 15986
<211> 130
<212> DNA
<213> Homo sapiens

<400> 15986
agtgttttga cagggcaaac agcagagaaa gaactggccg agcgagggck vkggggagcc 60
ggggcgccag agctagagac agcggggcgg caaggagctg gcagaggcgc tgggcaagag 120
ggccggccct 130

<210> 15987
<211> 96
<212> DNA
<213> Homo sapiens

<400> 15987
tggatgaacg agattccac aggcctaca ttaacaaggt taagctcaac ccctttcccc 60
cagcacctca gaatgtgcc tccctctccc cactct 96

<210> 15988
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 15988	
gacttgctg gccataaagg ggattatfff ggcacctgc agagccactt ctgtttcacc	60
cttccctgag taaaaaccca cttgaccaga gtcaaggcca tcacagcctt ccctgccaga	120
gaccagctct ggcacgtgt agagattctg agtactcctt tgaaaaacgg cacc	174

<210> 15989
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 15989	
aagaacagt actgggcaca gtggctcatg cctgtaatcc cagcaatttg ggaggccgag	60
gcgggcgggt ctcttgaggc caggggttcg agaccagcct gggcatcata gggagacctt	120
catctctaca aaaaatacaa aaattagctg ggcattggtg tgcattgcctg caatcccagc	180
taacttgaa ggctgaggtg aggtgggaag atcacttgag cccaggagtt tgaggctgca	240
gtgagctatg attgcggcac tgcactgcag cctgggacaa tgagactgtg tctctaaaaa	300
taaaaaaaaa aaaa	314

<210> 15990
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 15990	
agagtgcaga gccgagatcg cgaastttga aaagcgcggg caacatccgg gcacctgggc	60
cgctgagctg aggcgcgcct tccgagcctg ctyyttaggg cggatggcag ccattgctgaa	120
gtgcsygatg agcggcagtc aggtgaaagg tggagcggcc tttgttgtct tcccatttag	180
cagagagaaa agcagacgtt aataggtcgt ccctaccatt gtctaatttt tcctctttgc	240
ctttttgcgc aatgactgag gacgcacgcc ctggccacag cccacccac tcaagtcctt	300
gttaacttct gaggggagga tgaggacca tctcgtgtga cttagaggca gatgtaatat	360
gggtggtatc cgggaaatag agttgtacca ccggggccat	399

<210> 15991
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 15991	
ttaggagttc gggaccagcc tggccaacat ggtgaaatcc cccctctact gaaaatacaa	60
aggttagctg ggtgtggtg tksrcacttg tgatcccagc tactagggag gctgaggcag	120
gagaatcact tgaaccggg aggcggaggt tgcagtggc tgagatcaca ccaactgcact	180
caagcctgca tgacagagtg agactctgtc tc	212

<210> 15992
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 15992
 cagtcagcta gacacaactca ggaggactac tgaggctctg cgaccttcag gagctgagcc 60
 tgccctctctc ctttagatga cagaccttca tctgggaacg tgctgagcca gcaccctcag 120
 atgatttccc tccaaactgg wractagggtc atcctctgtc tggtagagac attcacatct 180
 tggtttttat tctatgctct ctgtactttt gacaaaaaat tgaccaaagt aagaraatgc 240
 aagttctaaa aatagactaa ggatgccttt gcagaacacc aaagcatccc aagggarstgg 300
 tagggaagtg gcgcctgtct cctggagtgg aagaggcctg ctccctggct ctgggtctgc 360
 tgggggcaca gtaaatcagt cttggcaccac acatccaggg cagagagggtc tgt 413

<210> 15993
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 15993
 cctctgaaaa ttttggttaag acggccagggt gcggtggctc atgcctgtaa tcccagctct 60
 tggggatgcc aaggetgggtg gattatgagg tcaggagttc gagaccagcc tggctaagat 120
 gacgaagccc cgtctctact aaaaatacaa aaattagccg ggcgtgatgg tgggcacctg 180
 tagtcccagt taattgggag gctgaggcag gagaatcact tgaacccggg aggcagagggt 240
 tgcggtgagc c 251

<210> 15994
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 15994
 aaacaatatc tgtttatttc tcatagctct ggaggctcac aagtccaaga tcaagggtact 60
 ggctgatatg gggtttggtg aggggtactct ttctgattca tagatggcac cttctggcag 120
 tgtctttgca tgggtggagag ctatgctctcg ggtctctttg ataagagcat taatctcaat 180
 catgagggct ctgccctcac gacttgatcg ccaccca 217

<210> 15995
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 15995
 agaatgatac cactacaaca aacacacact taagcacata gcccacagac actgaaaagc 60
 aattatacaa tcagggtctac atagcagcca gctaacacca caatgacagg atcaaaatca 120
 catatatcag tactaaacttt gaatataaat gggctaaacg cctcacttaa aagacacaga 180
 atgacaaact gaataaaaag ataagaccca accatctggt gtgttcaaga gacacatctc 240
 acacataatg acaaccc 257

<210> 15996
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 15996
 taacagttgg aatcacataa cacaaaatat gcaagttgct tagttgcttt agttacaaaa 60
 ttttacgata agcccca 77

<210> 15997

<211> 129
<212> DNA
<213> Homo sapiens

<400> 15997
tttgtgttt tagtagagat gaggtttcgc catgttggct aggctggtct caaactcttg 60
acctcgggtg atccactcac ctccggcctcc caaagcgctg ggattgcagg cgtgagckac 120
cacgctgga 129

<210> 15998
<211> 246
<212> DNA
<213> Homo sapiens

<400> 15998
agatggggca gaggcaccca ggagagcact attttggttt ccagctggga acgtgcacta 60
agttttcctt aatacccaca gcacccaaaa ggctttgctg taatacactt taatgcatga 120
aacactcata aattatcctt cgaactgtta caacttccaa cctggaacaa cttggaaaaa 180
ccagcctagc aagcaggctc ttttttaatc tctcaaatca caacagaaga aaaagttcaa 240
gcacga 246

<210> 15999
<211> 442
<212> DNA
<213> Homo sapiens

<400> 15999
ctggattttt gttatacagg ttgagtatcc tktacctgaa atgcctggtt ctagaagtgt 60
tttggattgt ggaatttttt tggatttttg aatacttgca tatgcataat gtgttttttc 120
agagggtggga cctaagtcta aacataaaat tcatttttat ttcatacata cttgttacac 180
ataatagcac ataatttata cagtactttt taatgatttt gtgcacaaag tgtcgactgc 240
atthtgactc ctcacatgaa gtcagatgtg aagttttcca ctgtggcgctc ttgtcagtga 300
tcaaaaaaat tttggactag agatgctcat cctgtatccc aaatatatga acattttattc 360
tgattcttta taccagggat tcttaaggta ctcagccttt taactggtct ttctgtgatc 420
actcttgccct ttttccaaac ta 442

<210> 16000
<211> 259
<212> DNA
<213> Homo sapiens

<400> 16000
atttccaggc ctartgcctr cctcgtggct gactcttgaa gcccaaaact tcttcaaact 60
agccttttgc ccaacttctg tctactgttg gactctacag gccagcctct gcctcacagt 120
ggaccctcca gactcagatg gtgtctcact gtggcactct caggcgaast cctgcctttc 180
ggcagcctct ccaggcccag ctctcctctg cctccagtggt cctctttcgg cccagcccag 240
ctcatgcctc ccagcggcc 259

<210> 16001
<211> 158
<212> DNA
<213> Homo sapiens

<400> 16001

tttgaagatg gattgaagag aacgtccacc ttaaggcttt aaaagacagt gaagctgggt 60
 gcggtggtgc actcctgtaa ccctgggact ttgggaagct gaggcaggaa gattgagcct 120
 aggagttcga gaccgacctg ggcagcatag cgagacac 158

<210> 16002
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 16002
 gatgggtccc tctcttccca gatcactgcg aaacctgctc gacggtgaga tggagcactc 60
 agccgcgctc cggcaagagg tggacacctt gaaaaggaag gtggctgaac aggaggagcg 120
 gcagggcatg aaggctcagg cgctggccag gtaggagagg gtgagggatg gagaggtaag 180
 cacgtgagat 190

<210> 16003
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 16003
 gtgcggaggg atgcggcgct tcggcgagca cccgttgtgt gggaactccg tctcaagtcg 60
 cccccattgt acggatgaag gaatcgaagc cagcagccag aatttctca ctgcgaactc 120
 gagaataaat tgcgcctccc tgagtgtgga ggattaaata agtagtctaa ggc 173

<210> 16004
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 16004
 ttaacatttt gtatttcttc ttttgtaaat tgctagctga tatectttgc tacatttctt 60
 attctaattt aattttaaga accatcctgg ccaggcgctg tggctcacgc ctcat 115

<210> 16005
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 16005
 gaggctgagg cagagaattg cttgaacccg gggaggtgga ggttgacgtg agccgagatc 60
 gcgccactgc actccagcct ggctacagag gaagaccca tctcaaaaaa aaaaaa 116

<210> 16006
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 16006
 tttcgcgcg amccggmrgc gggacaggct tgctgcttcc tcctcctcgg cctcacctag 60
 agacgggggt tcaactgtgc agccaggatg gacttgatct ctgcacctcg tgat 114

<210> 16007
 <211> 120

<212> DNA

<213> Homo sapiens

<400> 16007
acgggaggct gaggcaggag atacgcttga acccgggagg atggagggtta tggatgaactg 60
agattgcgcc attacactcc agccagggca msaagagcga aactctgtct caaaaaaaaaa 120

<210> 16008

<211> 94

<212> DNA

<213> Homo sapiens

<400> 16008
agaacgacca aagccaaaca catttataat cagatgtctc cagtggacta ctgttataga 60
gagaacattt catgtagata ctccagagga ctga 94

<210> 16009

<211> 187

<212> DNA

<213> Homo sapiens

<400> 16009
caaaaaatta gccgggcatg gcggcgagcs ctgtaatccc agctactcaa gaagctgagg 60
ctggagaatc gcttgaacct aggaggcggg gggtgcagtg agctgagatt gcaccactgc 120
attccagtct gggcgagag cgagactcca tctcaaaaca aataaataaa atttaaaagg 180
aggcgac 187

<210> 16010

<211> 68

<212> DNA

<213> Homo sapiens

<400> 16010
agagccttcg gcmggacctg aaaaagcgag agggagagcg agcaaaaggc gcgatccaga 60
gagcctta 68

<210> 16011

<211> 58

<212> DNA

<213> Homo sapiens

<400> 16011
aaaacaaaca aaaactatta tttataagaa aaaagctgtt ttgagttaaa tgggggtga 58

<210> 16012

<211> 204

<212> DNA

<213> Homo sapiens

<400> 16012
agttgamgaa actgaggctg gagaggaagg actgctctcc agaacgggtc atctgctgtg 60
tccacacatt aagaaacgct ggtggagttt taaatgcctc tccggggaag gaggwwagcc 120
tgasaatgaa tctgacctca gacccaaatc cattcaacgg agttctggta atttgggaaga 180
aggaagagca acctggaaac taac 204

004399-023400

<210> 16013
<211> 107
<212> DNA
<213> Homo sapiens

<400> 16013
aagaagagtg cttgagcccg ggaggttgag gctgcagtga gtcattgatag tgccactgmw 60
ctccagccta ggcaacagag caggacctct aataaaaaaa aaaaaaa 107

<210> 16014
<211> 296
<212> DNA
<213> Homo sapiens

<400> 16014
caataagtgg gtgaaggata tgaacagaca cttctcaaaa gaagacattt atgcggtcaa 60
caaacatgaa aaaaaagctc atcatcacta gtcattagag aaatgcaa ataaaagcaca 120
atgagatacc atctcacacc agttagaatg gcaatcatta aaaagtcaga aaacaacaga 180
tactggagag aatgtggaga aataggaatg cttttacact gttggtggga gtgtaaatta 240
gttcagccat tgtggaagac agtgtgatga ttccttaagg atctagaacc aaaaat 296

<210> 16015
<211> 102
<212> DNA
<213> Homo sapiens

<400> 16015
acacacacac acacacacac acacacggct tctgttaagc tgcaggctcw aatcctggca 60
cttcccaggc ttcgcctcaa ggaatatgtt tatccggcta ct 102

<210> 16016
<211> 81
<212> DNA
<213> Homo sapiens

<400> 16016
gtatttnttt taagtagaga cagggtttca tcgtgtttgc caggatgrtc tcaaactcct 60
gacctcgtga tctgcccgcc a 81

<210> 16017
<211> 72
<212> DNA
<213> Homo sapiens

<400> 16017
actggacbbg gcttgggcgt gagatggcgg cggcasggat gagcagcgcc aagcgnagcc 60
tgcggggaga gt 72

<210> 16018
<211> 165
<212> DNA
<213> Homo sapiens

<400> 16018
 ccacacgnbn tctccccarg gccttcgcac ttgctttctt cctcgtttac cgtactccca 60
 gctaccacaca gggtttcttc tcccacttcc atgagtgtc tgcacatgta ttgagcagga 120
 cttcgagcc actcactatg aaatagtagt cctccctct cccgt 165

<210> 16019
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 16019
 gttagccggg cttggtggtg catgcctgta ataccagcta ctcgaggaggc tgaggcagga 60
 gaactgcttg aacctgggag gcagaggttg cggtagagccg aggtcgcgcc attgactcc 120
 agcctggga 129

<210> 16020
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 16020
 caagtagcag ttttttgttt tgttttgtct tgttttgaga cggagtcttg ctctgttccc 60
 aggtcggagt gtagtgccgc gatctcactg caaccttcga ctccct 106

<210> 16021
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 16021
 gatcacgcca ctgcactcca gactgggtga cagagtgaga ctctgtctaa aaaaaaaaaa 60
 aaaaaaa 67

<210> 16022
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 16022
 ctttggcagg ccgaggcggg tggatcacga ggtaggaga tcgagaccat cctggctaac 60
 atcgtgaaac cccgtcttta ctaaaaatac aaaaaattag ccaggcgtgg tggcgggccc 120
 tttcgggtcc taacacgtgc gctcgtgtc cacctccatc atcacctcaa cccaaaaagc 180
 ataattaaac ttacttcct cctttcttct tccasycatc twamcctact cctaatacaca 240
 taacctatac 250

<210> 16023
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 16023
 taatcctagc actttgggag gccaaaggcg gcggaccact tgaggtcagg agttcgaaac 60
 cagcctggcc aacatggtga aaccctgtcc ctactaaaaa tataaaaaaa attagctggg 120
 cgtggtggcg gttgcctgta atcccagcta ctgggaagac tct 163

<210> 16024
<211> 110
<212> DNA
<213> Homo sapiens

<400> 16024
ctaagatttt cactaagaat gctttcatca gagaatgaac atagcaaagc tgattactta 60
actcaaaata aacttccatc aacacaccag gaacaatata tacacctcag 110

<210> 16025
<211> 180
<212> DNA
<213> Homo sapiens

<400> 16025
ggacaggcga caggacctgc ggcagagtct tgctgcgaca cccaggctgg agtgcaatgg 60
cgctatctcg gctcactgca acctccgctt cccggattca agcgattctc ctgcctcagc 120
ctcccagta ggtgggacta caggaccaga ggagcgagag cagcaagaac cacaccaac 180

<210> 16026
<211> 172
<212> DNA
<213> Homo sapiens

<400> 16026
acaaaaaatt agccgtgctg ggtggcaggc gcctgtaatc ccagctactc gggaggctga 60
ggcaggagaa aggcgtgaac ccggggaggc gagcttgagc tgagccaaga tcgcgccact 120
gcactccagc ctgggcgaca gagcgatcct ccgtctcaaa aaaaaaaaaa aa 172

<210> 16027
<211> 184
<212> DNA
<213> Homo sapiens

<400> 16027
caaaagttag agaccagccc gactaatatg gtgaaacccc atctctacta aaaatagaaa 60
gattagccgg gtgtggtggc aggtgcctgt aattcctgct actcgggagg ctgaggcagg 120
agaatcattg aaacctctgc ctctgggtt tcagtgatcc tctgcctca gcctcccag 180
tagc 184

<210> 16028
<211> 186
<212> DNA
<213> Homo sapiens

<400> 16028
actacaggct gcgcctctgc ccctgcgagg ggcacccctr rggtctctgg gaaacggaat 60
ggagggtcct atggaagaga aggtttggaa ccaccgctgg aggggaaggg agaagaaagc 120
aagcaggagt ggcgcgaaca ggaagggact agggatagaa gccgggcttg gacacagtra 180
ggcatc 186

<210> 16029
<211> 140

<212> DNA
<213> Homo sapiens

<400> 16029
ggttggccag gcatggtggs rcatgcttgt ggttccagct actcaggagg ctgaggtggg 60
aggatcattt gagccagggg ggttgaggct gcagtrggcc atgattgtag tactgcattt 120
cgacctgggt gacagarcga 140

<210> 16030
<211> 81
<212> DNA
<213> Homo sapiens

<400> 16030
tcatgtaaaa tgtaaataat aaggtctgtt aaaaaatgat atggccacaa tactatcatc 60
ccatattaag ccctgtcacc t 81

<210> 16031
<211> 151
<212> DNA
<213> Homo sapiens

<400> 16031
gccgggcgcg gtggcgsgata cctgtagtcc cagctactcg ggaggctgag gctggaggat 60
cgcttgagtc caggagtinct gggctgtagt gcgctatgcc gatcgggtgt ccgcactaag 120
ttcggcacatca atatggtgac ctcccgggaa a 151

<210> 16032
<211> 165
<212> DNA
<213> Homo sapiens

<400> 16032
ccggctgatt tttgtatttt tagtagagat gttttgacat gttggccatg ctggtctcga 60
actcccggcc tcaagtgate acccaccggc cttccaaagt gctgggatta caggcctgag 120
ccaccctgcc tggcctggat tactgatagc taatacagtg tacgc 165

<210> 16033
<211> 90
<212> DNA
<213> Homo sapiens

<400> 16033
ctcgaaactc ctgacctcag tgatccaccc accccggcct ccaaaagtgc tgggattgca 60
gatgtragcc accacgctcg gccttttttt 90

<210> 16034
<211> 130
<212> DNA
<213> Homo sapiens

<400> 16034
tgagaagttt catttttggg ttttgtgaat attacgaaca gcttttccta gtttgctagg 60
gaatttgcgt ggccaggat ttgctgcatt kaaagttctt agatattatc atcagaagaa 120

130

cagtcttttt

<210> 16035

<211> 175

<212> DNA

<213> Homo sapiens

<400> 16035

aaatttttga aacagtgtcc tttgttttga gatggagtat tgctcttggt gccaggctg	60
gagcgcaatg gcatgatctc ggctcaccgc aacctccacc tcccagggtc aagtgattct	120
cctgcctcag cctcccaagt ggctgagatt gcaggcgtgt gccaccaggc cctga	175

<210> 16036

<211> 77

<212> DNA

<213> Homo sapiens

<400> 16036

ggatgtgagg gcgatctggc tgcgacatct gtmaccccat tgatcgccag ggttgattcg	60
gctgatctgg ccggccg	77

<210> 16037

<211> 90

<212> DNA

<213> Homo sapiens

<400> 16037

aaaatataaa aattagctgg gtatggtagc acatgcctgt aatcccagct actcaggctg	60
aggcatgaga atcacttgaa ccaggagat	90

<210> 16038

<211> 167

<212> DNA

<213> Homo sapiens

<400> 16038

ccaataatga ataaagactg agaaactcgg gccgggcgca gtggctcaca cctataatcc	60
tagcactttg ggaagccaag gtgggcggat cacttgaggt caggattcaa ggccagcctg	120
gccaacatgg tgaaaccctg tctcgactaa aaatacaaaa aaaaaaa	167

<210> 16039

<211> 239

<212> DNA

<213> Homo sapiens

<400> 16039

aaggaaaaact gtccttaggg gataacagac amwgagatcc agagagtggg gatctggaga	60
aattagccgg gcatagtggg gcacacctgt ggtcccagct acttggaag ctgaggcagg	120
aggattgctt gaggcctagga ggttgaagct acagtgagcc gtgattgcac cactgcactc	180
cagcctggga gacagagcaa gatgtgtct caatacacac acacacacac atcagggtgc	239

<210> 16040

<211> 268

<212> DNA

004220" 66667560

<213> Homo sapiens

<400> 16040
 atatgtaacc aaaaataaag tgtttcaata gtttattcct ctttcatata atggctctaga 60
 gagagtgtca ttggggcaaa gggcaaagat acagaggatc tgtttccctt ctatcttgtt 120
 tttctgtaat cacctagagc agtgctactc aaatgtggtc cagaccagtg caggtcttgg 180
 gacttcttgc cacttgtcag catgctccct ctccctcctt taaaggtgag acatgtacag 240
 aaattgagag tgtttatctg gcccccat 268

<210> 16041

<211> 165

<212> DNA

<213> Homo sapiens

<400> 16041
 caaaaaatta gccgggctg gtggcaggcg cctgtagtcc cagctacttc ggaggctgag 60
 gcaggaatat cacttgaacc cagaaggcag agcttgacgt gagctgagat cgtgccactg 120
 cactctagcc tgggcgacac aacgagactc catctcaaaa aaaaa 165

<210> 16042

<211> 92

<212> DNA

<213> Homo sapiens

<400> 16042
 ctaattttta tatttttagt agagatgggg ttccaccatg ttggctaggc tgggtcccaga 60
 ctccctgattt catgatccac ctgcctcggc ct 92

<210> 16043

<211> 159

<212> DNA

<213> Homo sapiens

<400> 16043
 aaagtcaggt gtggtggtgc acacctgtga tcccagctac ttgggaggct gagatgggag 60
 gatcccttga gccttgagg ttgaggctgc ggtgagccat gatcatgcca ctgcactcca 120
 gbntgggcca cagagtggag cccatgtcaa aaaaaaaaa 159

<210> 16044

<211> 205

<212> DNA

<213> Homo sapiens

<400> 16044
 ttcagctggg cgtggtggct cacacctata atcccagcac tttcggaggg aggttgaggc 60
 aggaggattg cttgaggcca ggaatttgag acaagcctgg gcaacatggt gaaactctgt 120
 ctctacaaa aatataaaaa ttggctgggt gcagtggctc atgcctgtag tcccagcact 180
 ttgggaggcc gaggcagggt gtcgt 205

<210> 16045

<211> 109

<212> DNA

<213> Homo sapiens

<400> 16045
 ggatgtgagg gcatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
 gctgatctgg ctggctaggc ggggtgtccc ttcctccctc accgctccc 109

<210> 16046
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 16046
 tctcttgccc acttgctttt tttccttttt gaggtggagt ctcaactctgc cgtcacaggg 60
 ctggagtgc tggcgctgat ctgggtcac tgcaactgc cctccgcctc ctggatttaa 120
 acaattctcg tgccctcagc tcccagagat ggctgggact ataggtactc accaccacgc 180
 ctggaaat 188

<210> 16047
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 16047
 attttgaagt tttagagtgt tggaaaaatt tctaattaca gaacgcagca taggcacaga 60
 agaaaatgtg taagaacctg gagtcaagga ctagaaaaat tgaataatca catcccatcc 120
 cttcccaaag ctgaaagttg ctgcgcggcca 150

<210> 16048
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 16048
 tttttcaaaa tgagaatttg atgagcacgt gcacgcacgc acagacacac acacaca 57

<210> 16049
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 16049
 cctgacctca agtgatccac ctgcctcggc ctcccaaagt gctgggatta caggcgtgac 60
 nacggcacc aggctact 78

<210> 16050
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 16050
 tcacacacac acacacacac acacacacac acacatcttc cagacccatc ccctgcctgc 60
 cagctccacg agccagagag agacagagcg cggacgcgc aggaggcagt gcctggaccc 120
 cagctgcccc ggag 134

<210> 16051
 <211> 119

<212> DNA
<213> Homo sapiens

<400> 16051
ttggagcaga catagaggta agaactgtag gttttaatag accatgataa aggcttcaga 60
ctttcctctt ctcaaccgtt ttgagcaaag gtgtgacatt cttttttttt ttttttttt 119

<210> 16052
<211> 276
<212> DNA
<213> Homo sapiens

<400> 16052
ccctgtctct actaaaaata caaaattagc tgagcgtggt ggcacatgcc tgtaatccca 60
gctacttggg aggetgagggc agaagaatgg cttgagccca ggaggcggag attgcagggtg 120
tgtgccacca caccagcta acttctgtgt ttttagtggc gacagggttt caccatgttg 180
gccaggctgg tgtggaactc ctgacctcag gtgatccacc caccttgcc tcctaaagtg 240
ttggtattac aggcgtgnnd actgcacccc gcctca 276

<210> 16053
<211> 201
<212> DNA
<213> Homo sapiens

<400> 16053
tttaaaataa aaaccaacag acgagatgat gcctattggc cagaaggaaa gcgtgtggca 60
atggaggacc gatatcgtgc agactttccc cggccagacc accgctttca cgacttcgat 120
catcgagacc ggggccagta ccaggaccac gccatcgaca ggcgaggagga ttcgaggcca 180
atgatgggag accaccggga t 201

<210> 16054
<211> 201
<212> DNA
<213> Homo sapiens

<400> 16054
caggtactgg aggcttgtag agagaatata caagctgtta ggggagactt aaaaccatcc 60
cgggccgggc gcagtggctc acgcctgtca tcccagcact ttgggaggcc gaggcgggtg 120
gatcacctga ggtcaggagt tccagaccaa tgtggccacc ttggtggaac cccatctcta 180
ctaaaaatac aaaagagccg g 201

<210> 16055
<211> 132
<212> DNA
<213> Homo sapiens

<400> 16055
ttagtttttg tagagagagg gttkcaccat gttgcccagg ctagtctcaa actcctgggc 60
tcaagcaatt ctcccacctc agcctcccaa aatgctggga ttacaggcat gcaccaccac 120
accggcccg ca 132

<210> 16056
<211> 103
<212> DNA

004220" 66667560

<213> Homo sapiens

<400> 16056
ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
gctgatctgg ctggctaggc ggggtgtccc ttctccctc acc 103

<210> 16057

<211> 194

<212> DNA

<213> Homo sapiens

<400> 16057
agaggccggg atccggagcc gccggaagcc ggtgccgcag cccctgcgc ccccggtgcc 60
cccacatgt ccttcgcaa agtggtccg cagagcaa tccggcatgt gttcgggcag 120
ccggtcaaga acgaccagt ctatgaggac attcgcgtgt cccgtgttac ctgggacagc 180
accttctgcg cccc 194

<210> 16058

<211> 162

<212> DNA

<213> Homo sapiens

<400> 16058
acaacaaatc ataaaccgg cggasagcag cdgccgcgc gcctcccct cccaatgagt 60
tcctatttgc tgaactccac cttcccgc actctggcca gcgggcagga gtccttctg 120
ggccagctac cgctctattc gtcgggctat gcggaccac ct 162

<210> 16059

<211> 143

<212> DNA

<213> Homo sapiens

<400> 16059
cactaaaaat acaaaattag ccaggtgtgg tggcatatgc ctgtaatccc agctactcag 60
gaggctgagg caggagaata gcttgaacct gggaggcgga gattgcggtg agccaagatt 120
gtgccactgc actccaccct ggg 143

<210> 16060

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16060
agctcscta gtctctcat cctgttcac aggtccgcg gcctccggcc tctcggccc 60
cgtcccccgc gcctcctcgg ccccccccc gccaccacc 100

<210> 16061

<211> 313

<212> DNA

<213> Homo sapiens

<400> 16061
aatagccagc cgggcgcagt gtggctcac cctgtaatcc cagcactttg ggaggctgag 60
gcaggcggtat cacaaggtca ggagatcgag accatcctgg ctaacatggt gaaaccctgt 120

004220" 666EFS60

ctctactaaa aattcaaaaa cactagccgg gcatggtggt gggcacctgt agtcccagtt 180
 acttgggagg ctgaggcagg agaatggcgt gaacccggga ggcggagctt gtagtgagcc 240
 gagatcccgc cattgcactc cagcctgggc gacagagcga gactccgtct aaaaaaaaaa 300
 aaaaaaaaaa aaa 313

<210> 16062
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 16062 60
 ttttttttga gacagagtct ctgtctccca ggctggagtg cagtggcatg atctcggctc 120
 actgcaagct ccgcctccc tggtcacgcc attctcctgc ctcagcctcc cgagtagctg 138
 ggactayagg cgcccacc

<210> 16063
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 16063 60
 ttttttgaga bggagyttgc tctgttgccc aggctggagt gcagtggcgc aatctcggct 120
 cactgcaagc tccacctccc aggttcacgt cattctcctg ctcagcctcc ccgagtagct 145
 gggactatag gcgcccacca ccaca

<210> 16064
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 16064 60
 gaaaatggcg cccagctcga aatcggagcg gaacagcggg gctgggagcg gcggcgggcg 92
 ccccggggga gccggaggga agcgggcagc at

<210> 16065
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 16065 60
 aaataaaata aagttttcct ttttgagacg aagtttcct cttgttaccc aggctggagt 102
 gcaatggtgc gatcttggt cactgcaacc tccccctccc cc

<210> 16066
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 16066 60
 tgggaggccg gggcggttg atcgcgaggt caggagatcg agaccttct ggctagcacg 120
 gtgaaaccct gtctctactg aaagtacgga aaaattggcc gggcgtggtg gcgggcgcct 158
 gtagtcccag ctattcggga ggctgaggcg ggagaact

<210> 16067

<211> 180
<212> DNA
<213> Homo sapiens

<400> 16067
ccagcacttt gggaggccga ggcgggcgga tcacgaggtc aggagatcaa gaccatcctg 60
gctaattgcg tgaagacccc tctctactaa aaatacaaaa aattggctgg gcgtgatggt 120
gggtgcctgt ggtccagct actcgggagg ctgaggcagg agaattggcgt gaaccccgga 180

<210> 16068
<211> 88
<212> DNA
<213> Homo sapiens

<400> 16068
agcctcccga gtagctggga ttgcggggcg ctgccaccac gcccggtctaa tttttgtgat 60
ttttttttta gtggagacga ggtgggca 88

<210> 16069
<211> 50
<212> DNA
<213> Homo sapiens

<400> 16069
caaaaaatta gctgggtgtg gtggcgggca cctgtagtcc cagctactca 50

<210> 16070
<211> 101
<212> DNA
<213> Homo sapiens

<400> 16070
aaataaaata aagttttcct ttttgagacg aaktccctc ttgttaccca ggctggagtg 60
caatggtgcg atcttggtc actgcaacct cccctcccc c 101

<210> 16071
<211> 136
<212> DNA
<213> Homo sapiens

<400> 16071
agtcgaatgg caacattgtg gcgatgctga grcgagagt ttaggagacg gggtcatcag 60
tcaggccggc tccgggcttt ctgcagcagc accaggggcg ggggcgggga tcttgacctg 120
ggcgagcgac cgggat 136

<210> 16072
<211> 307
<212> DNA
<213> Homo sapiens

<400> 16072
atctcacaac tcctcaacgc tgctgttggg gcatgaaagt ggctacaggc aatgcattca 60
cgaatgtgca tgtctgtgtg ccaataaaac tttatttcta aaaactgaaa cttggggccg 120
ggtatgtgtg ctactcctg taatcccagc tacttaggag actgaggcag gagaattgct 180

004220" 66666666

0051399.02400

tgagcccagg ctggatggag tgcagtgggt cgatctgggc tcaactgcaac ctctgcctcc 240
taggctcaag cgattcgccc acctcagtct ctgaagtagc tgggaccaca cacacgcgtg 300
caccacc 307

<210> 16073
<211> 202
<212> DNA
<213> Homo sapiens

<400> 16073
aggtgaggca cgagaatcac ttgaacccgg gaagcggagg ttgcagtga cggggatcgc 60
gccactgcac tccagcctgg gagacacagt gagactccgt ctcaaaaaaa aagaaaaaaa 120
aagcctatct tctcctaacc agaagttctt ccatgatccc aagtgacttg aaggagcaca 180
caaatgaccc attcagcsc aa 202

<210> 16074
<211> 176
<212> DNA
<213> Homo sapiens

<400> 16074
caaaaattag ctgtgcatga tgggtgggtgc ctgtaatccc agctgctcgg gaggtgagg 60
cacgagaatc tcttgaaccc aggaagcaga ggttgccgtg agccaagatt gcgccattgc 120
attccaggct gggcaacaga gcgagactct gtctccaaaa aaaaaaaaaa aaaaaa 176

<210> 16075
<211> 59
<212> DNA
<213> Homo sapiens

<400> 16075
ccttrgcctc ccaaagtgt gagattacag gcgtgasmac cacacccagc cttttttct 59

<210> 16076
<211> 100
<212> DNA
<213> Homo sapiens

<400> 16076
tactgtcaaa ttactttcca ctgacagtgt atgagaatac ctgcttctcc acattctcac 60
cactctgtgt taatccagtt tttttttttt tttttttttt 100

<210> 16077
<211> 100
<212> DNA
<213> Homo sapiens

<400> 16077
acacacggac agagacggga gaggagagag agatgaagag atagagagga ggagagggaa 60
gggaggatag gcaggagaga gccaaaaa tagagagtca 100

<210> 16078
<211> 128
<212> DNA

<213> Homo sapiens

<400> 16078
 tttttttag agatgggggtt tcaccacgtt ggccarggtg gtctcaaart cctgacctca 60
 agtgatccgc ctgcctcagc ctcccaaagt gctgggatta cagrtgaacc accacacctg 120
 gccttttt 128

<210> 16079

<211> 242

<212> DNA

<213> Homo sapiens

<400> 16079
 ttgtagcaag tgagagtgc ccagaggcca gttaggaggc tgttgacagag gcctgartga 60
 gagaggatgg tttaaacacc aaaatggtaa cattcagaat ggaggaggag atgggtgggag 120
 attaaatttg gggatggagc ccttaggata tgttgattga ctggatgtgt aagagagaaa 180
 gggaagagca gaactgagga aatgtcctct tgaactggct gggggccact gagatgggac 240
 ta 242

<210> 16080

<211> 247

<212> DNA

<213> Homo sapiens

<400> 16080
 gaagcctgaa gcaccctgac agacaaagcc cagctgggag aggcctcgvm cctgcctara 60
 attccccctg ctctggcatt ggccttggcc atgggacctg gagcagaggg aggttctgtc 120
 cgctggctgg gagcagcttc tctgcatgtt tggaagtgga aagactaagt tctctgcagc 180
 tgggtgtctc catgatctgr gtgaggagaa ggagcctggc tcctgagccc gggggaaaag 240
 agggaag 247

<210> 16081

<211> 146

<212> DNA

<213> Homo sapiens

<400> 16081
 atgggtggtg acswctgtaa tcccagctac tcgataggct gaggccagag ttttgctttt 60
 gtcacccagg ctggagtgc gcatgcatg cctggctcac tgcaacctcc gcctcctagg 120
 ttcattgat tctccggcct cagcct 146

<210> 16082

<211> 358

<212> DNA

<213> Homo sapiens

<400> 16082
 aaaaagywya aataggctga gcatgstggc ttgcacctgt aatcccagha cttwaggagg 60
 ttgggtggg caagacchba ggtcaggagt tccagaccag cctggccaac atgatgaagc 120
 cctgtctmaa ctgaaaatac aaaaattagc caggcatgat tgcgcacatc tgtggtcccg 180
 gctactaggg aggtctgagg gggaggatca cttgaacctg ggagtggag gtttcattgg 240
 gctgggacgt attaaatagg ttgaaaagat ataaaaagag cgtgctggct ctttactgca 300
 ggagtgggtg aaaaagctaa aggtgaaatt attagaggaa aatgttagga cttttgta 358

<210> 16083
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 16083
 gccgggtgca gtggctcacg cctgtaatcc cagcactttg ggaggccagg gcgggcggat 60
 cgcttgggt caggagtcca agaccagcct ggacagcatg acgaaacgct gtctctgcta 120
 aaaatacaaa aattagccag cacggtggtg ggcacctgtg atcccagcta ttcgggaggc 180
 t 181

<210> 16084
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 16084
 cggagtctcg ctctgtcacc caggctggag tgcagtgggtg tgattttggc tcaactgcaac 60
 ctctgcttcc cgggttcacg ccattctcct gcctcagcct actgagtagc tgggactaca 120
 ggtgcct 127

<210> 16085
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 16085
 ccggtctggtc atttcacatg tgcacctgga agtgggggatg gaccaggctg tgcccacagg 60
 gagcttctta tgacctagga gccaggcaga ggccctgcaa gacagtgtct gtgcaagagc 120
 tgtccctggc atcgtgggga acaagatgca aggagggtg tgagttccag gaacagagag 180
 cccaaggcag ccttggttgg aaagggttc agcgagccag ggaagcaaga ctaagaggaa 240
 gggagagctg gagaggggga aatggcactc atgaccagga gcacagcctg cacaaaggct 300
 aagcagcaaa agagaca 317

<210> 16086
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 16086
 acagcctcat gacaggaaaa aaatgaagaa agtctgggat agagctggtg acttccttgc 60
 tgctaattgag tctagagttc gcacggaaac acgaaa 96

<210> 16087
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16087
 ctccaacacc aacagccctt attgccactc tgaaccagcc tccaccactt cttcgtccaa 60
 cactgcctgc tgccccggct cttcaccggc agcctcctcc actcc 105

<210> 16088
 <211> 217

<212> DNA
<213> Homo sapiens

<400> 16088
cgggctcaag ctatcctccc acctcagcct cttgagaagc tgggactaca ggcgcgtata 60
ccaccacacc tcgtaaaatt tttttttttt ttaraaacgg ggtttcacca tgttgccgg 120
gctgatctca aactcccaac ctcaggtgat tcatctgcct tggcctccca aagcgtggg 180
attacaggca tgagccaccg macctacacc tcccgt 217

<210> 16089
<211> 106
<212> DNA
<213> Homo sapiens

<400> 16089
aaaattggct ggggtgtggtg gtgcatgcct gtagtcctag ctactcggga ggctgaggca 60
ggagaatagc ttgagcctgg gaggtggagg ctgcagttag cctca 106

<210> 16090
<211> 263
<212> DNA
<213> Homo sapiens

<400> 16090
cttgcttagc aaatgttact ggatggatgt acagatggmy ssatggatgg atgatcagac 60
ggatgggtgg atggatgac agatggatag atgaatggat agatggatgg atggatagat 120
ggatggataa tcagatggat ggatggataa tcagatggat ggatggatgg tcggatagat 180
gaatggatgg atggatggat ggatggatgg atggatggac acatggatgg atggatgatt 240
ggatggacgc atggatggat gga 263

<210> 16091
<211> 101
<212> DNA
<213> Homo sapiens

<400> 16091
acaaacccgg cgagctcaga gcggtggagc ggagaggagg gacggcaccc ggctgcaggg 60
aggagggagg cggcasggca gcgtcggcgt ggagggcgt c 101

<210> 16092
<211> 161
<212> DNA
<213> Homo sapiens

<400> 16092
acaaaaattg gccaggagtg gtggcgcgctg cctgtagtct cagcctcctg agtatctggg 60
agtacaggct tgtgccacca cagctggcta aattttttgt atttttagta gagatggggg 120
ttcaccatgt tggccaggct ggtcttgccc tcctcacctc g 161

<210> 16093
<211> 114
<212> DNA
<213> Homo sapiens

<400> 16098
gccgggcgcg gtggcgcgtg cctgtagtcc cagctactcg ggaggctgag gtgggaggat 60
cgcttgagcc cct 73

<210> 16099
<211> 144
<212> DNA
<213> Homo sapiens

<400> 16099
caaagaactc aaatacttaa aaaagtgttt tggccaggcg cggtggctca cgcctgtatc 60
ccaatacttt gggaggccga ggtgggtgga tcacttgagg tcaagagttc aagaccagcc 120
tgccaacat ggtgaaaccc cgtc 144

<210> 16100
<211> 249
<212> DNA
<213> Homo sapiens

<400> 16100
tttcaggtac tgcataagagg tttagatttac cttattcttg aagtccttca agaaagagaa 60
ttttttgagt gtgatacaaa tgggagccaa ttatcctatt gcaaaaaaaaa aatgttactg 120
aattgtctct aaagtgttgg ctggcatcca acctctgggg agaatcgctt aagbcmagga 180
gttcaggatc agcctgggca accccgacat cattaccgga ttttcctctt aaaaaaaaaa 240
aaaaaaaaa 249

<210> 16101
<211> 192
<212> DNA
<213> Homo sapiens

<400> 16101
tccccaccaa ggtctctgag ccagagcttt cagctgcatg agcacagcct gctccccctg 60
tggaggggat tctgggggtg gtgtggttgt atactggggg aagtgagaat gtggcctctc 120
tgtgggtgag tgcagcaccg tgaattgtgt ttgtaacact tgagttgtgt ttcccagggtg 180
tatgtgatgg ca 192

<210> 16102
<211> 131
<212> DNA
<213> Homo sapiens

<400> 16102
ataatattag ggccagggtgt ggtggctatc acatgtgctg taatctcagc actttgggag 60
gccgaggcag gaggattgct taaaccagg aaggagttca agaccagcct gggtaacata 120
ctgagaccct t 131

<210> 16103
<211> 119
<212> DNA
<213> Homo sapiens

<400> 16103
tcttagtgtg acacatgaac cctccccctt catgatctgg cctatgtctg cctctgtagc 60

tactctctgg tcctttacct cttacataag ctacccaagc aggttttact atgatgctt 119

<210> 16104
<211> 110
<212> DNA
<213> Homo sapiens

<400> 16104
ttcctggcat ttattcaccc attcggtgat tgattcagtg aaacagattt actgagtcac 60
tgatatgtgc taggcacatg aggtgactaa gactccactc cacaccgca 110

<210> 16105
<211> 136
<212> DNA
<213> Homo sapiens

<400> 16105
tttgacaaaa aagttgccaa ctgcaggtga ccacagatat ctttcctggc ccctttctgg 60
agcatcatgc gttactgact ggggtccttg tgctaacctg ttggcctca ttgtattgc 120
tcttaccacac ctgcaa 136

<210> 16106
<211> 129
<212> DNA
<213> Homo sapiens

<400> 16106
acaaggagaa ggaggggtct cgaggagaag aggatacarg gcaagaggaa ggtggctccc 60
gccgggaacc tcaagtcaac cagcaacaac tgcaacagct catggacatg ggcttcacaa 120
gggaacgaa 129

<210> 16107
<211> 141
<212> DNA
<213> Homo sapiens

<400> 16107
aatggagtct cactctgtca ctcaggctgc agtgtagtag catgatctca gctcactgca 60
acctcgtct cccaagtca agtaatcctc ccacctcaac acccttgagt atctggcacc 120
acaggcgcgcg gccaccacc a 141

<210> 16108
<211> 141
<212> DNA
<213> Homo sapiens

<400> 16108
accaggtagc tgggactaca ggcattgcacc actacagctg gctaattttt ttgtattttt 60
agtagagatg gggttttacc atgctggcca ggctgatctc gaactcctga cctcaagtga 120
tccacctgcc tcggccccc a 141

<210> 16109
<211> 97
<212> DNA

<213> Homo sapiens

<400> 16109
aattcaggaa ggaatgacatc agcaagatgg cccagtaaaa tcccctaatag cttgtgaccc 60
caatgcccc tccctggcaa ataaagccaa aacaacg 97

<210> 16110

<211> 74

<212> DNA

<213> Homo sapiens

<400> 16110
gccgggcgcg gtggcgcgat gcctgtagtc ccagctactc gggaggctga ggtgggagga 60
tcgcttgagc ccct 74

<210> 16111

<211> 108

<212> DNA

<213> Homo sapiens

<400> 16111
gaggtcagga gtwtgagatt agcctggcca acatggtgaa accacatctc tactaaaact 60
acaaaaaatt agctgggcat ggtggtgtgc gcctgtrac ttagctac 108

<210> 16112

<211> 79

<212> DNA

<213> Homo sapiens

<400> 16112
gccgggcgcg gtggcgcgtg cctgtagtcc cagctacttg ggaggctgag gtgggaggat 60
cgcttgagcc caggagaaa 79

<210> 16113

<211> 176

<212> DNA

<213> Homo sapiens

<400> 16113
tacaaaaatt asmmgggcat ggtggcacgt gcctatagtc ccagctactc aggaggctga 60
ggcaggagaa ttgcttgaac ctgggagggtg gaggttgacag taagccgaga tcacgccact 120
gcactccagc tcgggcaaca gagtgagact tcgtctcaaa aagaaaaagg agtggg 176

<210> 16114

<211> 112

<212> DNA

<213> Homo sapiens

<400> 16114
aattaataac asaataagta tttgcagatg coatgccatt tagggytgta gaaatcattt 60
ggactactga gagaaaacag ggaaaggaag tgctgtttta tccggggggg ga 112

<210> 16115

<211> 71

<212> DNA
 <213> Homo sapiens

<400> 16115
 agtctctctc khatatctgt attcctggca ctggcgaaaa gctcgctgtc tgcgactttt 60
 tccaggtagt t 71

<210> 16116
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 16116
 agtgtgtgga gaarccamwc tcccgaacc agagggatrg ggccggctgt rcagtagaac 60
 ggttac 66

<210> 16117
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 16117
 tctcttttctt tctattttwt gtagaggcag ggttttgcca tggtgmmmag gctgggtctgg 60
 aactcctggc ctccggcgat cctcccacat gggtcgccca gggtgctggg attataggcg 120
 tgaccactgc acctggtctg gtccagagag tttaacaggc attg 164

<210> 16118
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 16118
 atttttaggtg ttggatctca gggggaaaaa aaagagagag ggagagagcm sagaaagacg 60
 agcaggaaa atcccgaag gaggaagagg tggcgaag 98

<210> 16119
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 16119
 gcatattttc casaaagaaa gaaagaagga ggagaggggg tagaagtsma gggaaaggaa 60
 gcagamagaa caacaacagc 80

<210> 16120
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 16120
 cgtccatgat gtkccgcaac tacctacatt gtttgatcct catgaaagca gcactggc 58

<210> 16121
 <211> 91

<212> DNA
<213> Homo sapiens

<400> 16121
gaggccagga gtnmgggacc agtmtggcca acatgatgaa accccgtctc tactaaaaat 60
acaaaaatta gccaggaatg gtggcagagc a 91

<210> 16122
<211> 108
<212> DNA
<213> Homo sapiens

<400> 16122
acttgagccc agsagtttga gacaagcctg gtcaatgtgg tgaaacctca gctctacaaa 60
aaatacaaaa tcagccaggt gtggtggcat ggcctatag tcccagct 108

<210> 16123
<211> 164
<212> DNA
<213> Homo sapiens

<400> 16123
aaggaattta cyaggccagg catggtagct cacacctata tgtaaacact ttggaagctg 60
aggtgggggc atcgcttggg ctttgaggtt caaggctgca gtgagctatg attgctgcac 120
tccagcctga tagacagagc gagacctggt ctccactccc ccct 164

<210> 16124
<211> 100
<212> DNA
<213> Homo sapiens

<400> 16124
ttttgtgtct gtgccagaaa tctcccttag gtgtgaactt caggtcttct caggtctttt 60
ctgagcctgt ccctttccct ggggtgtgtgc agccacttac 100

<210> 16125
<211> 286
<212> DNA
<213> Homo sapiens

<400> 16125
cctgggtccaa catggtgaaa cccatcctct actaaatata caaaaattag cctggcatgg 60
agtgcagtgg catgatctct actcactaca acctccaccc gccacattca agcaattctc 120
ccacctcagc ctcccagta gctgggatta cagctgcatg ccaccatgcc agtagtccc 180
gctactcggg aggctgaggg gggagaattg cttgacccca ggaggcggag gttgcagtga 240
gctgagatca caccactgca ctacagcctg ggtaacagag aaagat 286

<210> 16126
<211> 232
<212> DNA
<213> Homo sapiens

<400> 16126
acctgaagtc aggagttcga gaccagcctg gccaacatgg taaaacacta tctctactaa 60

aaatagaaaa aattagccgg gcgtggctgt gtgtgcctat agttccagcc actcgggagg 120
 ctgaggcagg agaatactt ggacttggga ggtgtagggt gcagtgaagc aagatcatgc 180
 cattgcactc caggctggag tgcaatggca tgatcttggc tcaactgcaac yt 232

<210> 16127
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 16127
 ctaaacatac aaaaattacc cagggtgtgtt ggtgcgtggc tgtaatccca gctactcgcc 60
 assatacctg gctaatttct gtatttttag tgaagacagg gtttcacat gttggccagg 120
 ccggtcttga aatcctgacc tgaagagagc tgcccgcctc ggcttcccaa agtgctgaga 180
 ttaywggcgt gagcmacc 198

<210> 16128
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 16128
 cagaacagca catccatctg gaaggccttt ttcttcaccc ccaacttcaa ccccggtgggt 60
 tccaacggat gctttgccac acacgtgtgc ttctgtttcg ggagttatgt caccatcac 120
 gacccac 127

<210> 16129
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 16129
 tttctcgtaa atgatgagat ggggttaaat gggtttgcag aaatatgtga gaggtaatgt 60
 gaaataagtt actttaagaa ggcctggccc tggtaatgtc gttaccagct gatgaagtgt 120
 cggtttacct tgctgcccct ggtgctacat tcacaaagca gctgtgtcct ttggaaagcc 180
 g 181

<210> 16130
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 16130
 atttatcttt gatactacac caaaacacaa gtagcagttt tttgttttgt tttgtcttgt 60
 tttgagacgg agtcttgctc tgttcccagg ctggagtgtg gtggcgcgat ctcaactgca 120
 ccttcgactc cctggttcaa gcgattctcc tgccctagcc tcccagtag ctaggattac 180
 aggcattgtc caccgcaccc agctaagtgt tgcattttta gtggagaaa 229

<210> 16131
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 16131
 ataactcttt cttgtatata aagtaattag taaataacta tagaaagaca ataaatggaa 60

aaataacttt tttgcacaga ataaaattat tcacatgcac tcacacatgc acacacacac 120
tacctgtgca agagaataat ctgtctgccc cgacca 156

<210> 16132
<211> 175
<212> DNA
<213> Homo sapiens

<400> 16132
aaatttttga aacagtgtcc tttgttttga gatggagttt tgctcttggt gccagggctg 60
gagcgcaatg gcatgatctc ggctcaccgc aacctccacc tcccagggtc aagtgattct 120
cctgcctcag cctcccaagt ggctgagatt gcaggcgtgt gccaccaggc cctga 175

<210> 16133
<211> 67
<212> DNA
<213> Homo sapiens

<400> 16133
aaactgacaa atcactgatc ttggagtcag atctggattt gaatcctgac atcatcattt 60
gccagca 67

<210> 16134
<211> 106
<212> DNA
<213> Homo sapiens

<400> 16134
ggatgtgagg gcatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
gctgatctgg ctggctaggc ggggtgtccc ttccctccctc accgct 106

<210> 16135
<211> 175
<212> DNA
<213> Homo sapiens

<400> 16135
agacacaccc tcctgcttcg gctggtggcg atcggagctc gggccctcta ggggagggag 60
ctgccgccgc cgacgccgtg gggcaggaca gtgagcgggc gaasgagcga gaaaaggagg 120
gaaggaggga acgagggagg agcagcgggt gggaggtggg agggaggagc agcga 175

<210> 16136
<211> 126
<212> DNA
<213> Homo sapiens

<400> 16136
cctttttctg ccttcttctt ttgtaccctc actgctacca gctccttctg gcgaccccca 60
ggtagccctt cccaccttct gtttctctct ggtcagcag accacgcatg tatccagagg 120
cgcgta 126

<210> 16137
<211> 95
<212> DNA

<213> Homo sapiens

<400> 16137
aagactatac tttcagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
gtagagcacc gaaaaccacg aggaagagag gcagc 95

<210> 16138

<211> 68

<212> DNA

<213> Homo sapiens

<400> 16138
cgagtgattt tcccggctca gcctcccgag tgccctgggat tacaggcaca caccaccacg 60
cccagcca 68

<210> 16139

<211> 107

<212> DNA

<213> Homo sapiens

<400> 16139
tccgagmtgg agtcttgctc tgtcacccag gctggagtg cagtggcacga tcttggtcac 60
tgcagcctct gcctcctggg ttcaagtgat tctcctgcct cagcccc 107

<210> 16140

<211> 146

<212> DNA

<213> Homo sapiens

<400> 16140
aacaatcttt ttgtagaatc tgcgattgga gatttggaact cctttgaggc ctactgtagt 60
aaaggaaata acttcatcta aaaaccaaac ggaagcattc acagacaatt cttagtgatc 120
attggattga tctaacagag ctgaac 146

<210> 16141

<211> 129

<212> DNA

<213> Homo sapiens

<400> 16141
atTTTTtatt tttatttttt ggtagagggtg aagtctctcc atttgctcag gctggTTTTg 60
aactcctggc cttaagtgat cctcccgct tagcctcccg aagtgctgga atcacaaca 120
tgaaccacc 129

<210> 16142

<211> 129

<212> DNA

<213> Homo sapiens

<400> 16142
caaatahhtt tgTTTTgttt tgTTTTgaga cagagTTTTg ctctcattcc ccaggctgga 60
gtgcaatggg gcaatctcgg ctactgcaa cctctgcctc ccagacgatt cTTTTgcctc 120
agcccccca 129

<210> 16143
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 16143
 caagatctta aaggtggagg acctactcaa gccgttgggt aaggactgca tcagagatgg 60
 caagttagag gatgac 76

<210> 16144
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 16144
 attagctggg cgtggttagca ggtgcctgta atcccagcta catggagtgc agtggcacia 60
 tcttggtca ctacaacctc ctctg 85

<210> 16145
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 16145
 acttgagccc aggagtttga gacaagcctg gtcaatgtgg tgaaacctca gctctacaaa 60
 aaatacaaaa tcagccaggt gtggtggcat gcgcctatag tcccagctca gcctc 115

<210> 16146
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 16146
 agacggccta gcgctgcgtg ggccatgggt cagctccgac cgcgagcgtc tcgcgccccg 60
 gcgtcgccgg aggcgatggt ggacgagggc cagctggcct cggaggagga ggaggcggac 120
 acgggctgtt gctcgggcag cccagcagcg gcgcggcsc gagcccttg aggaagacga 180
 ggaaggggac gatgagtttg acgatgaggc cccggaggag ctgactttcg ccagcgccca 240
 ggcggaacga gagaagagga gac 263

<210> 16147
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 16147
 acaagatggc cgctgcrvcc cagaggccca gagtcggagc tcaccgactc cggagtcgcg 60
 atcccaggag ccaactggacc tggctctggt gcctgatgac tgccggcctg gcacaccccc 120
 gaggacctc atcgagatcc aggtggtgaa ggtgacggac accacgctgg tccctgagcc 180
 cccggagcca gggtctttcc actgtgcctt gtgccttgct gccttcggc tggtttccga 240
 gctat 245

<210> 16148
 <211> 175
 <212> DNA

<213> Homo sapiens

<400> 16148
 tacaaaaaaa ttagctgggt gtggtggtgc acacctgtaa tcccagctac ttgggaggct 60
 gaggcaggag aatcgcttgc acctgggagg cagatgttgc agtgagccga gatcttgcca 120
 ctgcactcca gcctggctga cagagggaga ctccatctca aaaaaaggaa agaaa 175

<210> 16149

<211> 81

<212> DNA

<213> Homo sapiens

<400> 16149
 tgttttacat aaaaagttaa tgtgaatawt agaaaaaag gacratrtta aagcagtttg 60
 tagaatttgt ccccccccc t 81

<210> 16150

<211> 192

<212> DNA

<213> Homo sapiens

<400> 16150
 cagggcmwgg ggaatctggt ggcgaatcag ggatttgga gtctatgtgg ttaatcaggg 60
 gtgtctttct tgtgcagtca gggctctgcg acagtcaatc agggtagagg gggatattct 120
 gagtcaatct gaggctaagg acatgtcctt tcccatgagg ccttggttca gagccccagg 180
 aatggaccct cc 192

<210> 16151

<211> 182

<212> DNA

<213> Homo sapiens

<400> 16151
 atctcggttc acwgtaacct ctgcctamcg gggtcaggcg attcttgtgc ctcagcctct 60
 tgagtatttg agattacaag tgtgtacagg tgtgcaccac cgcactctggc tagattttgt 120
 atttttagta gagaccacgt tttgccatgt tggccatgat ggtcttgaac tactgaccct 180
 ga 182

<210> 16152

<211> 68

<212> DNA

<213> Homo sapiens

<400> 16152
 actgcattcc agcctgggag acagagtgag amwgtgtctc tgaaatttaa aaaaaggaaa 60
 aaaaaaaaa 68

<210> 16153

<211> 87

<212> DNA

<213> Homo sapiens

<400> 16153
 gttttgagac agagtctcac tctgtcacc aagctggagt gcagtgcawr atcttggcac 60

actgcaaacc tctrcctccc gggttg

87

<210> 16154
<211> 112
<212> DNA
<213> Homo sapiens

<400> 16154
ctggccgggt gtggtgnmtt acgcctgtaa tvmaacact ttgagaggmc gaggcaggma 60
gatcatgagg tcaagagatt gagaccatcc tggccaacat ggtgaaaccc ca 112

<210> 16155
<211> 84
<212> DNA
<213> Homo sapiens

<400> 16155
ttttgtttta gacggagttt cgcwctgtta cccaggctgt agtgcaahvr tgcaatcymg 60
gtcactgca acctccaccc ccct 84

<210> 16156
<211> 185
<212> DNA
<213> Homo sapiens

<400> 16156
aagtgatgtc aargctgtga gctcagcagc agccctcctt taggagctgc cgggtggagag 60
tgagtgtctg tcctgtggag gagggagcaa gcccgtggt gcggagtga tttccatgga 120
tggcttcaga gctggccagg atggacagta ctccaggcag tgggaaccgc gcgtggaggc 180
ggcgg 185

<210> 16157
<211> 298
<212> DNA
<213> Homo sapiens

<400> 16157
aatkacctcg ggcactgtgt tagtgtcacg ggttgaggaa cccagcccyg ggggtgttcag 60
agtctggagt cacagcacat tagaaccaat aacacacaca cacacacaca cacacaagtc 120
gggcatggtg gcgaacacct gtagtcccag ctacttggga ggctgaggca ggagaatcgc 180
ttgaaccgag gaggcagagg ttgcagtga ccaagattgc accactgcac tccagcctgg 240
atgacagagt aagactctgt ctcaaacaca cacacacaca cacaacaaca acaacaac 298

<210> 16158
<211> 108
<212> DNA
<213> Homo sapiens

<400> 16158
aagttacttg gcwccggagcg ggcgagggga cgcgtgggag gasggggcmt ggccagcctc 60
ggcccccattg acccgctgtc ctgtgccctt tcccagcgat ggggcggc 108

<210> 16159
<211> 111

<212> DNA
<213> Homo sapiens

<400> 16159
ccctttatca ttgcaattca taataaatgt attttttgtc ctctagttcc cccaagaagt 60
tagctcctag gtaataaaaat tatacacaca cacgctcgcc ccccccaaca c 111

<210> 16160
<211> 129
<212> DNA
<213> Homo sapiens

<400> 16160
cattcttcag aagaggccag gcatggaggc tcgtgcctgt aatcccagca ctttgagagg 60
ctgaggcaaa tgaatcattt gaggtcaaga gttcgagacc agcctggcta acatgggtgaa 120
accccgga 129

<210> 16161
<211> 90
<212> DNA
<213> Homo sapiens

<400> 16161
aagactatac tttcagggat cagttctata gtgtgttact agagaagtwc ctctgaacgt 60
gtagagcacc gaaaaccacg aggaagagaa 90

<210> 16162
<211> 119
<212> DNA
<213> Homo sapiens

<400> 16162
acaaattagg ccgggcgtgg tgggtgggtgc ctataactcc agctccttgg gaggctgagg 60
caggagaatc acatgaatcc gggaagcaga ggttgactg agccaagatc ccgccactt 119

<210> 16163
<211> 112
<212> DNA
<213> Homo sapiens

<400> 16163
tcccctctct tcccctccct cccagcctt ccccgcgagc ggacgcgaca scctctgatc 60
tcgctttttc ttatttttcc cccctttccc cttctttttt tttttttcct tt 112

<210> 16164
<211> 151
<212> DNA
<213> Homo sapiens

<400> 16164
taaacgaaag cactccgtgc tggaagtagg aggagagtca ggactcccag gacagagagt 60
gcacaaacta cccagcacag cccctctcgc cccctctgga ggctgaagag ggattccagc 120
ccctgccacc cctcargacc aacgtcaagg c 151

<210> 16165
<211> 140
<212> DNA
<213> Homo sapiens

<400> 16165
aactttcctg ccccttcccc ggccaagccc aactccggat ctgctctcc accggatctc 60
accgccaca cccggacagg cggttgagg aggtcggacc ctccccaaa tctgggcccc 120
catctccgc ccaccacga 140

<210> 16166
<211> 78
<212> DNA
<213> Homo sapiens

<400> 16166
cgcatttatt ttttgTTTT gttgcaattg ctttgggga tttagccaaa aactttttgt 60
caagctaatt gttgagaa 78

<210> 16167
<211> 84
<212> DNA
<213> Homo sapiens

<400> 16167
ttttgtttta gacggagttt cgctctgtta cccaggctgt agtgcaatgg tgcaatctcg 60
gtcactgca acctccacc ccct 84

<210> 16168
<211> 207
<212> DNA
<213> Homo sapiens

<400> 16168
accagccttg gaaaacctgt gttggtgccc cataagcttc cctgctttcc gggagagagt 60
gttcagactg tgggtagaaa gaggaccttt gaccttgat ccttgctctc ctaccatgag 120
gagtcacct cagtgaaggc ttgctgctcc ctggctgtgg agacagagga gcagaagaga 180
ctcctctgc cctcgtggc cccaaca 207

<210> 16169
<211> 198
<212> DNA
<213> Homo sapiens

<400> 16169
ctaaacatac aaaaattacc caggtgtggt ggtgcgtggc tgtaatccca gctactcgcc 60
accatacctg gctaatttct gtatttttag tgaagacagg gtttcacat gttggccagg 120
ccggtcttga aatcctgacc tgaagagagc tgccgcctc ggcttccaa agtgctgaga 180
ttabaggcgt gagcnacc 198

<210> 16170
<211> 109
<212> DNA
<213> Homo sapiens

<400> 16170
 caagtgataa gacagctctt tgagcctcac atctcaaccg taaaatgaag ataaaaatag 60
 gaattactgg ccagacacgt ggctcacgcc cagcccatc ctccaccg 109

<210> 16171
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 16171
 cgggatggag aagaactcgg gggagggggc gtgcggggaa agaccgag tctggaggta 60
 gaactcggga gaggggcctt 80

<210> 16172
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 16172
 gtacgtcatc ggcgacggct cccgccggct gggcgccgg tggccggtgt agcagagcga 60
 gagsgaacgg gcggcgagca gaggagctaa caggtagggg cagggcacgc gaacggaccc 120

<210> 16173
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 16173
 aggtctgtgt cctggcctcc caggagcagg gacgtgaggc tcggccagg aaatctcatt 60
 tgcagcagct cataagccct ggcacaggct cttccctgag ccaggctggc caaggctccc 120
 ggagggt 127

<210> 16174
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 16174
 ttggctcacc gcaacctctg cctcccgggt ttaagcaatt ctctgcctc agcctcccga 60
 gtagctggga ttacaggcgc gcacgccaca cctggcctg 99

<210> 16175
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 16175
 aataccggtc ctccattttg gtgcctgcaa agctctggga aagaatccc ggaaacgaaa 60
 aatgaaaaac aaccagaaaa aaaaaatctc atcatggcaa atattcacca ggaaacgaa 120
 gagatgga 128

<210> 16176
 <211> 172

<212> DNA
<213> Homo sapiens

<400> 16176
agaattggct gggcgtggtg gcgggcgcct gtggtcccag ctacttggga ggctgaggta 60
ggagagtggc gtgggcccg gagggtggagc ttgcagtga ctgagatccc gccactgcac 120
tccagcctgt gcgacagggc aagactctgt ctcaaaaaa aaaaaaaaaa aa 172

<210> 16177
<211> 82
<212> DNA
<213> Homo sapiens

<400> 16177
attccctcca cctttctctt ctaacctctt atcccactga ttcttttctt cttcctcccc 60
tcccctcmcc cttnnctccc ct 82

<210> 16178
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16178
ttttttgaga cggakcttgc tctgttgccc aggctggagt gcagtggcgc aatctcggct 60
caactgcaagc tccacctccc aggttcacgt cattctcctg cctcagcctc ccgagtagct 120
gggactatag gcgcccacca ccaca 145

<210> 16179
<211> 97
<212> DNA
<213> Homo sapiens

<400> 16179
attttaggtg ttggatctca gggggaaaaa aaagagagag ggagagagag agaaagaaga 60
gcaggaaaga tcccgaagg aggaagaggt ggcgaag 97

<210> 16180
<211> 202
<212> DNA
<213> Homo sapiens

<400> 16180
taacaaacct gccattcac taacatttgt acacatctgc ttcatgtggt agatgggtgt 60
tgtggaagaa ggtctatgt ctggtttgat tctatttga aaaatgccat gtggaccagt 120
tgcaccagct gatggtgatg tttctttaca tttattcaga accttcccat ttcagaggaa 180
atgggttact ttggggggcc at 202

<210> 16181
<211> 203
<212> DNA
<213> Homo sapiens

<400> 16181
cccacaagtc cagctgcaac ccagagatag tggaaactga aattaggaag gaaatcatca 60

ataactcagt gggtgaccc atccctccca ggcgctgggg accaacctag caatgaaggt 120
 tgggaaggtt gttcccttcc cggtgccagg tccagatttc cctccatgat ttgggaacca 180
 gcttaggcaa aagagtcccc gga 203

<210> 16182
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 16182
 tgagattagg agttcgagac tggcctggcc cgcgtggcga aaccccgctct ctactaaaaa 60
 tacaaaatta gctgggcatg gtggtgckta cctgtggttc cggctactcg gcaggca 117

<210> 16183
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 16183
 ctagtctggg tgcattggct cagcctcta atcccaccac tttaggaggc cgaggcgggt 60
 ggatacctgg ggccaggagt tcgagaccag cctggccaac atggtgaaac cccatcacta 120
 ctaaacatac aaaaattagc cgggtgtgat ggcaagtgtc tgtaatccca gctactcggg 180
 aggctgaggc aggagaatcg ctttgaaacc ggaaggcaga ggagctaaga tcgtgccact 240
 ccactccagc ctgag 255

<210> 16184
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 16184
 tgaaccggcc caggtcgga acggagcagg tcaaaactcc cgtgctgatc agtagtgga 60
 tcgcgcctgt gaatagccac tgcactccag cctgagcaac atagcgagac cccgttcc 118

<210> 16185
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 16185
 actaaaaatt tgaaaattag ccgggtgtgg tggtagcac ttgtaatccc agctacttgg 60
 gaggtgagg caggagacgg agtttgcagt gagccaatac tgcgccattg ctcaggctgg 120
 aaagcaatgg cgcagt 136

<210> 16186
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 16186
 ccacgaaccc accataagga agaaactcca gacacatctg aacatctgaa ggagcaaact 60
 gtggacacac catctttaag aactgtaaca ctcaactgtga gagtctgcgg cttcattctt 120
 gaagtcagcg agaccaagaa cccaccaatt ccggacacag tggttttccc ctgcagtcag 180
 gctgcccagc agtagctac 199

<210> 16187
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 16187
 tttggccggg cgcggtggct catgcctgta gtcccggcac tttgggaggc cgaggcgggt 60
 ggatcatctg aggtcagggg tttgagacca gtctggccaa tatggtgaaa cctcatctct 120
 actaaaaata caaaaattag ccggacgtgg tggtagctgc ctgtaatccc agctactcag 180
 gaggctgagg caggggggt 198

<210> 16188
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 16188
 ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
 gctgatctgg ctggctaggc ggggtgtccc ttcctccctc accgcccccc cg 112

<210> 16189
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 16189
 gccattgaga ttctgtactg tcatggagga agacctagtg aaaagtgacg aatacttttt 60
 ttttttt 67

<210> 16190
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 16190
 tattaattac caaagggaaa agttatTTTT tattttttta tgagacaagg tctcactctg 60
 tcacctaggc tgaagtacag tgacaaaatc atagctaact gcagcctcga cccctgggc 120
 tcaagtgacc ctccaaattc agccccccag gt 152

<210> 16191
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 16191
 gagtgaggag gaggaggagg agaaggagga ggaggaagag gaggagcgca gtcggagcgc 60
 ggcggcasgg cagaggcgcc gcggcgggga ccagcccaga gagaccccc gagcccgcg 120
 acaggcgga c 131

<210> 16192
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 16192
 attaggggag cccacggcta caaaaacaag tgagtragaa gaggtgggag gaagagaaac 60
 tacgccacct cccctgcagc cgagtgcacg cagcagcctg gcgtgacaag tgggcgacgc 120
 cggggggcag ggagccgggg tccttggccc tggccgggga cccaccgcc caccgcgcgg 180
 aggacaactt ttagccggca gcccagacca ggcgc 215

<210> 16193
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 16193
 aagaggaaga agagtttgag attgccttgg cagatgcctc tgacaatgcc cgcattggaa 60
 ggggtggcgac agccaakgtg ctcattagtg gtcccaacga tgcctcgact gtgtccctgg 120
 gcaacacggg c 131

<210> 16194
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 16194
 ataacagtgg taataatacg ttaaatttga agagccttgg gcacaacagt rcccttacct 60
 cacatatacct tagggcaggg tgatggaggt aaagacctgg aatattgtgg tgttcttgcc 120
 gggattgaaa cactgggtac a 141

<210> 16195
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 16195
 ctaatcccag cgyrttggtt gggaggccaa ggtggggggv tcgcttragg ccgggagttc 60
 aggaccagct tgacaacata gcaaaacccc atctctgtaa aaaaaaatga aaataaacca 120
 ggcattgggtg tgtgcctrka atcacagtcg cttgggaggc tggagcagga ggattgcttg 180
 agcctaggag gtcaaagcgg cagtdwgctg agattgcacc actgcactcc agtstgggtg 240
 acagagtgag anct 254

<210> 16196
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 16196
 tttccggtgg cgggacgcgg ggccgcgcac gcgggnaaaa gcttccccgg tgtcccccca 60
 aca 63

<210> 16197
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 16197

agccactgcg cccragctgg cctgcgagtt cagggctcct gccgctctcc aggagcaacc 60
 tctactccgg acgcacaggc attccccgcg cccctccagc cctcgccgcc ctcgccaccg 120
 ctccccggccg c 131

<210> 16198
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 16198
 gaggagatcc agcwggggcga ggacgaggac gaggacgaga tggacctgga gccaacgag 60
 gttcggtgag agcagcagar cgtgccagcc gcagtgtttg ggagcctgaa ggaagactga 120
 cccgtccctc cccctcccc acnccctmcc caatacagct acgt 164

<210> 16199
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 16199
 agagggaggg gtccggcgag agggagggag gtctctctat cgacctacag ttctcattct 60
 gttttgccaa gtgtacgcca agaaggacat ggcgcgcgt aaaagcagga acgacgtctc 120
 ctgggctgaa caggagcaca aactgttctg aaagggtttt tttttttttt tttt 175

<210> 16200
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16200
 tgcctgtaat cccagcactt taggaggcca aggtgggagg attgcttgag cccaggagtt 60
 tgagaccagc ctaagcaaca cagcaagatc cactatgccg ggcgt 105

<210> 16201
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 16201
 agcagaccct gaaagctgag ctgccctgac ccccaaagtg aggagaagct gcaagggaaa 60
 agggagggac agatcaggga gaccggggaa gaaggaggaa tt 102

<210> 16202
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 16202
 tgcctgtggt cccagctgct caggaggctg aggtaggagg gtcactgaag cctgggaagt 60
 caagactgca gtrattctgt gtcgcaccac tgcactccag ccttggtgac agagtnagam 120
 cctgtctcaa aacaaaacaa aaacacacaa atactctgag caaa 164

<210> 16203
 <211> 135

<212> DNA

<213> Homo sapiens

<400> 16203

cagaagggaa tgagatcatt aaggagccag cccttgaaaa gggaggaggt tggggcttag 60
agaacaggtg gtgagagaca cattgaccta ggcagagaga gggatgactt tcagtttaag 120
atggaaagga gggta 135

<210> 16204

<211> 87

<212> DNA

<213> Homo sapiens

<400> 16204

tatgggcagt gaggcctgac gcggggggcg gacgctgggg ccgagggtag cttgagcgcg 60
gcggcggcgt tgttcagtca gaccac 87

<210> 16205

<211> 135

<212> DNA

<213> Homo sapiens

<400> 16205

attttcttgg gggcggcgcg gacgactgaa gggacttggg ggtagaggct gcggaggcgg 60
cgagggtcac tttggtcccg gcaggggctc tgaccgcgac ccaactgctcg ctgccggggc 120
ttgttccgag gagga 135

<210> 16206

<211> 81

<212> DNA

<213> Homo sapiens

<400> 16206

tgctggaccc atgaggattt attgaagaag gttagaagtg ttttaggtta atgactaaat 60
tttaaaggct tttttttttt t 81

<210> 16207

<211> 90

<212> DNA

<213> Homo sapiens

<400> 16207

agcttgtag agctgagctg ccctactaca gcagctgccg gcccttagga cagagcaggg 60
acctcaacta cactgatcac cagcccatc 90

<210> 16208

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16208

ggatgtgagg gcatctggc tgcgacatct gtcacccmmt gatcgccagg gttgattcgg 60
ctgatctggc tggctaggcg ggtgtcccct tcctccctga 100

<210> 16209
<211> 157
<212> DNA
<213> Homo sapiens

<400> 16209
gggggcgtgg ccgtctctga gcgcccgcgac tctgggcttg cgcgcgcggg agtcaggggt 60
cacggcggcg targctgtgg cgggaaacgc tgtttgaagc gggtagtag aggggaaaaa 120
gggagttcgg ggcagtgggc ctggtaggga atggggc 157

<210> 16210
<211> 134
<212> DNA
<213> Homo sapiens

<400> 16210
attgtatttt tagtagagtt ggggggttcgc catgttggcc aggctggtct tgaactcctg 60
accttaagtg atccacctgc ctgggcctcc caaagtgtg ggattacagg catgagccac 120
cacaccggc ccca 134

<210> 16211
<211> 165
<212> DNA
<213> Homo sapiens

<400> 16211
tgagctaaat ctcagttaag attttgactg atgagaaaag gggtcagaca gtggggaaaa 60
gatgggctag gcaaggaaat cgctctgtga atgaacacac agaggcttca aaagaccctt 120
ttggggaaga gcaagcaagg catggcagga gagaagaagg gcaag 165

<210> 16212
<211> 100
<212> DNA
<213> Homo sapiens

<400> 16212
agaagcggca ggmmggcggc gcggcgcagg caccggcccc gggagaggca ccatgagcgg 60
atcacagaac aatgacaaaa gacaatttct gctggagcgc 100

<210> 16213
<211> 103
<212> DNA
<213> Homo sapiens

<400> 16213
cccttttaca gccctcgtc cccgacatgc gaggcccgtc tcttcttcca gtttgacttc 60
caagtctttc cattccctag gatcgggccc cagtctcacc ccc 103

<210> 16214
<211> 149
<212> DNA
<213> Homo sapiens

<400> 16214

gagacacagc cggaaaggct ggncaggcag gagggctggg gcgagcactg gggggccatg 60
 gagcgggcag aagagcccgt ggtctatcag aagctgctgc cctgggagcc aagcttgag 120
 tcggaggagg aagtggagga ggaggcggc 149

<210> 16215
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 16215
 aacatggtga aaccccatct ccactaaaaa tacaaaaatt agcctggagg tggtggggg 60
 cacagaggaa gacaccgga gtcacctagc agggcaggca aggcattgatt gagggagtg 119

<210> 16216
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 16216
 tggatgaamcc cgtcgctact aaaaatacaa aattagccgg gcgtgggtggc tcatgcctat 60
 aatcccagat acttgggagg ctgaggcagg agatgcgctt gaacccgga ggaggaggtt 120
 gcggtagact aagatcgac cattgcgctc cagcctgagc aacaagagag gt 172

<210> 16217
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 16217
 gactttsagc gtccggcgggt cgcagagcca ggaggcggag gcgcgcgggc cagcctgggc 60
 cccagccac accttcacca gtagggacg ctccctgct cagagggcgg aaggtgtaga 120
 cagagaagaa acagggggag ggggcaggta gaggaaccac a 161

<210> 16218
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 16218
 gtcaacatca gagaggttgt gatgacagag caagacagcg gtgatgtgaa gactcaacgt 60
 gccattcttg gctttcaaga gggaagagcc aaaagttga agggccctag gagctagaaa 120
 gtatagaaac aattatcccc cagagcc 147

<210> 16219
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 16219
 ggggatgtag ctacagagagg gtagaattga cactgtggac cctggcctcg atagagaaag 60
 gcatcagcta aggaagttgt tcagggtggc agtgaggttg tcgtgctttg gaaagatgtt 120
 caggctgcac taggaagccc cctggccttg ggagagactc caggagaccc cagcgggvag 180
 catttgacag taaattcgag tgatgcgagg gggacctgaa ctgtggcctc tgtcatggga 240
 acccagagga ggtcgatggc gtttgtggtt gatgtgggaa ggagagaca 289

<210> 16220
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 16220
 aaaaaacaca tgcactgaag agctttgggt ggctgagccc caggatattg cttatcacct 60
 gttaatgacc acatacccca taggcattcca ccacgaagg gctcttgggg cacctgagag 120
 ttgaaattaa gttagtgaag atgcctgcgc tgggtgtgag gaacaagtgg aaattacagt 180
 tctgaaaagg cacttggaag gcaggagca gaataccagt atctgatggg tttgtttgt 240
 tgggagagat 250

<210> 16221
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 16221
 tttctttttg agacagtctc gctctgtcgc ccaggctgga gtgcagtggg gcgaacttag 60
 ctgctgcag cctctgcctc ctgagtatct aggattacag gcacccacca tcatgcctgg 120
 caaatttttt tttttttttt tttttttt 148

<210> 16222
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 16222
 agtgggcggg aggctgcca cgtttttgag cgtaggggga ggctgagag ggggatctca 60
 ggggaggagg tcaatcgctt gccccccact ttggcaaatt ggggactgag gactggaagg 120
 gtggagagta ggcggaacca ggtggtcgtc ggggcagagg atctcgggct aggcttgagg 180
 gcggcat 187

<210> 16223
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 16223
 atttttttga gatggagtct tgctctgtcg ccaggctgg agtgcagtgg catgatctca 60
 gctcactgca atgtctgcct tccgggttca agcagttccc tgcctcagcc ttgtgagtag 120
 ctgggattat aggccctgcc accatgtgtg gctaattttt gtgttttttag tagaggcagg 180
 gtttcacat attgtccagg cc 202

<210> 16224
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 16224
 ctggccttgg cctcccaaag tgcttgatt acagggtgtga gccacagctg taatccctgc 60
 tactcgggag gctgaggcag gggaatcact tgaacccagg aagcagaggt tgcagtaagc 120
 gaagatcgca ccattgcact ccagcttggg caacaagagc aaaactccat ctacaaaaaa 180

192

aaaaaaaaaa aa

<210> 16225
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 16225
 tttttaaatc tttcttttag acagggcctc gctatgttac ccaggcccag tgtctgccac 60
 ttgcttggtt tcttgtctga aactcttggc ttcaagtga tgatcctccc accccagccc 120
 t 121

<210> 16226
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 16226
 tttgggmsgg agtcttgctc tgtcgcccag gctggagtgc ggtggcacgg tctcggtcgc 60
 ctgcaatctc cgctcccgg gttcaagtga ttcttctgcc tcagcctccc aagtatctgg 120
 gattacaggc gcgcaccacc ac 142

<210> 16227
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 16227
 acacgcccc a ggcgcgctgg attggcggas atggcccagg aggagggtgg gagcctgccc 60
 gaggtgcggg cgcgggtcag ggccgcgcat ggcaccccc acctggccca aaagctccat 120
 ttctataacc gctc 134

<210> 16228
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 16228
 aagaacgcss gagagtcgcc gcctggccgg gcgtagacgc ggtggcagag cccgcgcggc 60
 gctggaagga gtggcggasg gcgggacctc ggcggactcg ccatggagga ggagggtgtg 120
 aaggaagccg gtgagtt 137

<210> 16229
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 16229
 cagctaattt ttgtattatt agtagagatg ggatttcacc atgctggcca ggctgggtctc 60
 gaattcctga ccttgtgatc caccgctc 89

<210> 16230
 <211> 100
 <212> DNA

<213> Homo sapiens

<400> 16230
 attttghtcg cggacgctgg ggacggtggg agcagatcca tttccgggtt ggcaaaaggg 60
 gcggtggcgg cggcggcggc ggcggcggcg gcgascgggr 100

<210> 16231

<211> 343

<212> DNA

<213> Homo sapiens

<400> 16231
 aaaaaattag ctgggtgtga tggcacacac ctgttgtccc agctactcaa gaagctgaga 60
 tgggaggatc ctgagctcag gaggtcaagg ctgcagtggg ccgagattgt gccactgcac 120
 tgmagctggg gtgacagtgc aagaccctgt ctcaaaccac accaaaccac acacacacaa 180
 acgacaagcc cgtbgtagt gcaagtgtct gtaatcttag ccactcggga ggctgaggca 240
 ggagaattgc tggaaaccgg gaggcagagg tggcagtkag ccgagattgc accactgvac 300
 tccagcccag ttgamaacag catgactctg tytcccccaa aaa 343

<210> 16232

<211> 66

<212> DNA

<213> Homo sapiens

<400> 16232
 agttggctcg tgggccagtg gccgtcgtc gcttctgggc tctcatgttt gaagggtggga 60
 ggcaag 66

<210> 16233

<211> 114

<212> DNA

<213> Homo sapiens

<400> 16233
 cctagcagaa aaagaaaaga aaagaaaaga agaagggtca agaatacct tggtaaataa 60
 atccaaggta aattataaga atctctaatt agacatattt aatagtaacc aaaa 114

<210> 16234

<211> 148

<212> DNA

<213> Homo sapiens

<400> 16234
 actccagcct gacgcatggc tcacgcctgt aatcccagca ctttgggagg ccaagggtggc 60
 aggattgcct gattccagga gttcgagacc aacctggaca gcatggtgaa acctcgtccc 120
 tgcaaaaaat acaaaaatta gccagaaa 148

<210> 16235

<211> 82

<212> DNA

<213> Homo sapiens

<400> 16235
 gccgggcgcg gtggcsrtgc ctgtagtccc agctactcgg gaggctgagg tgggactaca 60

ggcgccctgcc accacgccaa ac

82

<210> 16236

<211> 182

<212> DNA

<213> Homo sapiens

<400> 16236

acacactacc ggttccagcg tttgcacagg ggcacctgga cacgatgctc ccgcgggctag 60
ggctggctct cggcatccac taagttcaac tgcacccctg aattaagcaa acacactaag 120
gagggcagcc ctgcaccgcc caaacacgcc ggcccggggc tcgccccag cggcagcagg 180
at 182

<210> 16237

<211> 109

<212> DNA

<213> Homo sapiens

<400> 16237

ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag gggtgattcg 60
gctgatctgg ctggctaggc ggggtgtccc ttctccctc accgctcac 109

<210> 16238

<211> 108

<212> DNA

<213> Homo sapiens

<400> 16238

ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag gggtgattcg 60
gctgatctgg ctggctaggc ggggtgtccc ttctccctc accgctat 108

<210> 16239

<211> 142

<212> DNA

<213> Homo sapiens

<400> 16239

aaagaaaaag aagaagaaaa agaggaagaa gaagaaggag gaggaggagg aggaggagga 60
gggggccgag aagagcagct cacccttcgc agccgcgatg ggggaagacg acgccgcgct 120
tcgggctggc agcagggagc gc 142

<210> 16240

<211> 165

<212> DNA

<213> Homo sapiens

<400> 16240

cagagagtta tgtmttcaag gagcttcatg gaaagaatga agtctgacaa gtacggggttt 60
ctaataactt tgagttcaca ctattgaact aaatttccaa aactcggcca ggcacagtgg 120
ctcaagcctg taatcccagc actctgggag gccgaggtar gcgga 165

<210> 16241

<211> 153

<212> DNA

004220" 66657560

004220" 66627560

<213> Homo sapiens

<400> 16241
agtgggagggc gcgcgcgaga ggccgcgacg gacgcaarat ggcgacggcg accatagctc 60
tccaggtcaa tggccadcaa ggaggggggt ccgagccgrc ggcgccggc ggcagtsgtg 120
gcagcgggag acaaatggaa acctccacag ggc 153

<210> 16242

<211> 177

<212> DNA

<213> Homo sapiens

<400> 16242
tacaggccgg acgcggkggc tcacacctgt aatcccagca ctttgagagg ccaaggwrgg 60
cggatcacga ggtagcaggaga ttgagaccac cctggccaac atgggtgaaac ctcgtctcta 120
ctaaaaatac aaaaattaca ggccggacgc ggtggctcac acctgtaatc ccagcac 177

<210> 16243

<211> 163

<212> DNA

<213> Homo sapiens

<400> 16243
ttgaaagcgt gcatactggg agtgagtgcc cagaaaatgg aattcctgct ttctaggaaa 60
cgttgtgagg gttagcaagg aaagagatac aaaatttagt gaaaatttag agtcatgtta 120
aaaagtgttt gggaagggga gagaattgaa aataatcaag aat 163

<210> 16244

<211> 110

<212> DNA

<213> Homo sapiens

<400> 16244
tccagcaagt gcaaaggccc tgaggtgaga gacagcatgg aggcagcagt gaggaacctg 60
gtgtagcttc ctactgaat gaatggggaa ggctttgatt aggcaagctt 110

<210> 16245

<211> 160

<212> DNA

<213> Homo sapiens

<400> 16245
aaaaaagcgg gtcctgctag ccccgcggt ccgaactcgg tggtcctgga agctccgcag 60
gatgggggag aagatggcgg aagaggagag gttccccaat acaactcatg agggtttcaa 120
tgtcaccctc cacaccacc tggttgtcac gacgaaacaa 160

<210> 16246

<211> 93

<212> DNA

<213> Homo sapiens

<400> 16246
gaggccagga gttcgggacc agtctggcca acatgatgaa accccgtctc tactaaaaat 60
acaaaaatta gccaggaatg gtggcagagc acc 93

<210> 16247
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 16247
 aaatgtacaa ggatgagcat ggtggctcat gcctataatc ctagcacttt gggaggctga 60
 ggcaggcggg tcatctgaca tcaggagttt gagaccggct tggccaacat ggtgaaatcc 120
 tgtctgtact gaaaatgc 138

<210> 16248
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 16248
 ctaccaagga agaaggatga tcacttgagc ctggggcatc gaggctgcag tgagccatga 60
 ttatgtcact gcaactccagc ctcggtgaca gagtgggacc ctctcaaaaa aagttgggac 120
 ttggccggac acagtggctc acgcctgtaa tcccagcact ttggggaggcc aaggcgggtg 180
 gatcacgggg tcgggagatg gagmcatcct ggctaactg gtgaatgaag ccccatctct 240
 agtaaagata caaaggattt gcccgggtgtg gtggtgggcg c 281

<210> 16249
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 16249
 gggaatacaa aaacttagcc tggcgtggtg gcagctgtct gtgatcccag ctactagggg 60
 ggctgaggca ggagaattgc ttgaacctgg gaggcggagg ttatagttag ctgagatcgt 120
 gccactgctt tctagcctgg atgacagagc gagactctgt caacaacaac aataaaaaaa 180
 aaacaaaaac acacacc 197

<210> 16250
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 16250
 atacgctggg cgttgtggct tgcgcctgtg atcccaccac tttgggaggc caaggtgggc 60
 ggatcacttg aggtcaggag ttcaagacca gcctggcgg catggtggaa ccccatctct 120
 actaaaaatg cagaaattgg ctgggcgtgg tggcggatgc ctgtgatccc agctgcttgg 180
 gaggctgagg cgggagagtc gcttgaacct gggaggcggg gattgcagtg agccgatctc 240
 gtgccactgk rctccagcct gggtgacagc atgagactct gtcacacaca cacacacaca 300
 cacacc 306

<210> 16251
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 16251
 atgtaaaaat tagctgggtg tgggtggtgtg cacctgtaat cccagctact cgggaagctg 60

aggcacgaga gtcgcttgaa cctgagaagc agaggttgca gtgagccaag atcatgcccc 120
 tgcattctag cctgggcgac agagcgaacc tctgtctcaa aaaaatgaaa aaattaaact 180
 tgaatgaata atgaaaaaaaa aaggagac 207

<210> 16252
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 16252
 ccgtaatccc tgcactgtgg gaggccgagg ngrgcggatc acctgaggtt aggagttcta 60
 gaccaccctg gccaacatgg tgaaaccccg tctctactaa aaatacaaaa attagctggg 120
 tttggtggtg cgtgcctgta atcccagcac tttggaaggc ca 162

<210> 16253
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 16253
 aacaggtacg ggccagcatt gggacaggct ttgcctgtaa gagggctggt ctgggggggac 60
 atctgaaccc aattcaggaa cacctcacag gtctgccagc agggctagac ccgggggtgag 120
 atccagggca acagggtctg cctgggaagc tcagctccgg cactgcctgg ggcgtctctg 180
 cctacacagg accattcctc tcgcctggac tctcttggga gtttgccaag gctggcctct 240
 scagaaatag gagactcctg gaggaagagg 270

<210> 16254
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 16254
 cctgggsvtg ctgctgctgg acgtcatcat ctscctcctg gtgctggttg gcctcatccg 60
 cagctccaag ggcatacctg tggggtgagt ctgggggtgt cgcccccccg tgggccccaa 120
 gcggagggggc agggcaaggc accatgttac ccttcccccc acctcatctg cagatcctag 180
 ccacaagctc tgcggtgggg gctgagcggg accccccctg actgggcctg ctctgagatg 240
 ccccttctgt gcctgtggcc tgtgcccctg tggccagcat cccagcacac ttgccccag 300
 ccttgatttc ctgcaagagt ctgcacgtg 329

<210> 16255
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16255
 tgttgnmag gctggagtgc agtggcgcta tcttggttca ctgcaacctc caccttctgg 60
 gttcaagtga ttctcctgcc tcagcctcct cagtagctgg gattacaggc aagtaccacc 120
 actc 162

<210> 16256
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16256
 tgttgtnacag gctggagtgc agtggcgcta tcttggtca ctgcaacctc caccttctgg 60
 gttcaagtga ttctcctgcc tcagcctcct cagtagctgg gattacaggc aagtaccacc 120
 actc 124

<210> 16257
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 16257
 aaattcanns cacagggcag ggagtagacc tggctaggag acaggaagtc agatgacaat 60
 cctacaatgg caggaaggcc tgagaggaat tcaaatagga aaaaaagaga actcgtttca 120
 gagctgggtg gcaacc 136

<210> 16258
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 16258
 gttagccggg cttggtggtg catgcctgtr ataccagcta ctggggaggc tgaggcagga 60
 gaactgcttg aacctgggag gcagaggttg cggtagagcc aggtcgcgcc attgcactsc 120
 agcctggga 129

<210> 16259
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 16259
 caaaaataca aaaattagcc ggggtgtggtg gcatgcatct gtagtcccag ctacttgga 60
 ggctaaggca agaraattgc ttgaaccag gaggcggagg t 101

<210> 16260
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 16260
 gacagtttgg atwtcaggtc agtgcttcac aaattctcct actgccagga cccaagaatt 60
 agtcagcca tcgtattag caccaccatc ccc 93

<210> 16261
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 16261
 ctactaaaaa tacagagaat tagctgggag tgggtggcggg tgctgtggt cccagctact 60
 cggcaggctg aggcaggaga atggcgtgaa cctgggaggc ggasttgag tgagctgaga 120
 tcgcgccgct gcaactccag ctgggcgaca gggcgagact ccgtctcaaa aaaaaaaaaa 180
 aaa 183

<210> 16262
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 16262
 tgcaaaaatt agctgggcat gatggcatgt gcatgtaatc ctaggtactc aggaggc 57

<210> 16263
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 16263
 atcccagcta ctcaggaggc tgaagcaaga gaatcgtttg aacccggggg gtggagattg 60
 cagtragccg agatcgcacc actgcactcc cgcctgggcg acagagtgg actccatctc 120
 aaaaaaacac acacacacac acaaaaaaaaaa aaggaaaaag aaagggccga gcgtggtggc 180
 tcasgcmagt aacaccaacg cttcgggagg ccgaggt 217

<210> 16264
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 16264
 actccagtct gggcaatgag agtrgaactg tgtctcaaaa aaagarraaa aaacctaccc 60
 aaccc 65

<210> 16265
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 16265
 aattcaattc atttaaattg aattataggc tgggcatggg ggttcaagcc tgtraccta 60
 gcactttggg aggcctaggc aggtggatca cctgaggcta ggagttggag accagcctgg 120
 ccaacatggt gaaactccat ctctactaaa aatataaaaa ttagctgggc ac 172

<210> 16266
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 16266
 cctgacctca agtgcctcggc ctcccaaagt gctgggatta caggcgtgag 60
 cnacggcacc caggctact 79

<210> 16267
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16267
 gccaggatga agaagggaat ggccgccagc gggaacttgt cgatggcggt gaacatctcc 60

ttgggagcca ggatgagctt gtcggcttcg tagatcgcca tgccgagcat ggccgcaccg 120
cctc 124

<210> 16268
<211> 191
<212> DNA
<213> Homo sapiens

<400> 16268
aagtgaagcta gccgcctgcc ggccgacagg tttggaatct ccagccagag gacagaaaac 60
ctgcatgggt caggtgagcg ggctctggcc gagggcagcc gggcaggggg cagcaggggtg 120
cggcagcttg cccaccgaa cctcccaggg tgcacctcag gggggctgcc tacctgaagg 180
gaagtgaagct c 191

<210> 16269
<211> 191
<212> DNA
<213> Homo sapiens

<400> 16269
agttgtgacc attgcttgaa acccattcct atggcacgca cgaagcaaac agctcgtaag 60
tccactggcg gcaaagcccc gcgcaasagc tggccactaa ggcggctcgc aaaagcgcg 120
caccaccggt ggcgtgaaga agccccaccg ctacaggcct ggtactgtcg ccctccgtga 180
aatccgccag c 191

<210> 16270
<211> 175
<212> DNA
<213> Homo sapiens

<400> 16270
tggttcaatg aggtcattag gttgggccct aatccagtag gactgggggt cttacaagaa 60
gaggaaattt gtacccaaac atcctcagag ggaaggccac gtgaagacac cgggagaagg 120
cagccacctg caagcagagg agagaggcct cagaagaaac caaccctacc agccg 175

<210> 16271
<211> 120
<212> DNA
<213> Homo sapiens

<400> 16271
ttccctctkg ttgccagggc tgggtgatcc acctgcctcg gcctcccaaa gtgctgggat 60
tacacgcgtg ascactgtgc ccagcctctc tgttttattt cttctttttt tttttttttt 120

<210> 16272
<211> 141
<212> DNA
<213> Homo sapiens

<400> 16272
ctgaagaaaa tatcaatttt taattgacaa agactttata tcttagtgat tttagttttg 60
tttctcttta tttggcaaca tttcatctg aattgtatag atatatgatt ttctagttag 120
tgtatgtag gaacaaaaga a 141

<210> 16273
<211> 189
<212> DNA
<213> Homo sapiens

<400> 16273
agtcgcggtt gctcagcgtg cacctgagac cmracgcccg gggtcctcga agacgcgtcc 60
gccgccgtgc ccgtcgccat gaaccgcttc aggggtgtcca agttccggca caccgaggct 120
cggccgcccc gccgcgagtc ctggatcagt gacattcgag caggaaccgc cccttcacgc 180
aggaaccac 189

<210> 16274
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16274
taggagattt ttttgagagg gtcccactct gctgccagg ctggagtgc gtgtacacaa 60
tctcagctca ctgcaacctc gacctttcag gtcaagcag tctcctgcc tcagccttcc 120
aagtagcccg gactacaggt atgcc 145

<210> 16275
<211> 163
<212> DNA
<213> Homo sapiens

<400> 16275
attctactaa catttgaact ctgtaagggtg gcttccagaa aagactctgg gaatgtgatt 60
tgtaaacaac accatgggtc tgaagtcatt tttaaagttg tattttcatt gaatagtgg 120
aacttctggt agctctgcaa gagtgacctt gttagtagac gat 163

<210> 16276
<211> 198
<212> DNA
<213> Homo sapiens

<400> 16276
aaggaagnkg gctgggtgcg cgccggctcc ggctgcagtt cccgggtccc tcggccaccg 60
aagccaccct gccctgggtga aagggtctcc gcaccgccc gtgctccca tctgcctggc 120
gttggtgcga gagctggaaa gcatggctgt tataaatgaa ttctgatttt ggggagcaga 180
tgccaactta gagcctgg 198

<210> 16277
<211> 173
<212> DNA
<213> Homo sapiens

<400> 16277
aaaggaaga ggaaggagca gaggacaggg ttccaatcag aatgaaatga acagtatctg 60
tttaaagggtg agtaagccta cgacagtaga cccaatggg gaatatacca caaggctcca 120
gaaatactat aggccctatc aagaaaatgc tctcaagggc ctatagtatt tct 173

<210> 16278
<211> 116

<212> DNA

<213> Homo sapiens

<400> 16278

tcaacccgag tggaatgcaa ggcaatggaa thraatggaa aggaatggaa tggaatcaac 60
tcgattgcaa tggaatggaa tggaatggaa tggaatggaa tggaattaac cggaat 116

<210> 16279

<211> 88

<212> DNA

<213> Homo sapiens

<400> 16279

tgtccctgac ctgggtagag tggcatctgg ttggtgatgc ccatctcata tcagccaggg 60
acaaagcaac tccttgttca tcccagga 88

<210> 16280

<211> 140

<212> DNA

<213> Homo sapiens

<400> 16280

atcagcaggc tccagttgaa cactagtctg tgtaacttta aacatctagc agtaaatact 60
tgcagttgtg atataaagga ccctgtttct gtagaaaaga aaacatttaa cataatgggt 120
gtgaaatgta acatgaagca 140

<210> 16281

<211> 98

<212> DNA

<213> Homo sapiens

<400> 16281

agcactctct cacttctggc cagggaacgt ggaaggcgca ccgacaggga tccggccagg 60
gagggcgagt gaaagaagga aatcagaaaag gaagggct 98

<210> 16282

<211> 167

<212> DNA

<213> Homo sapiens

<400> 16282

gcagtgggaa gcacctctcc cattcacgcc gggcaggaca cctggccggg cgggggaggc 60
agcgcaaggg ccggccgggg agtacgggac tcgagccggg gacctgaggc aggagcaagc 120
atcgctgcag ggcaaccagc agaacggaga gggaggcgcg ggggcta 167

<210> 16283

<211> 91

<212> DNA

<213> Homo sapiens

<400> 16283

gaaccgatcc ggattaaggg gccggagggg gtcctgggca ccagcggttc cgaccccccc 60
gccctccgcy ccgcacccga gtggcccacc a 91

<210> 16284
<211> 143
<212> DNA
<213> Homo sapiens

<400> 16284
ttgctatcac aywaaaaaga attaacaggc caggcgcggt ggctcacgcc tgtratccca 60
gcactttggg aggctgaggt gggcggatta cctgaggtca ggagttcgag accagcctgg 120
ctggcatggt gaaaccccg tta 143

<210> 16285
<211> 295
<212> DNA
<213> Homo sapiens

<400> 16285
tggcaaaagcc aaaaraaact caagttgcaa gaacaaaacc cagtgactcr tttgatggt 60
tcaaaatggt ttcttttatg gaagtcactt cataaattgt taagtaaaaa gtgggaagtg 120
cttctgtctt ctcttttgca tgagttgctt ttaggagcag gaagaaggta ggcaaagtaa 180
gataaagatg caacacattt aactacaaaa atcaggttca ttttttagtt tattagaatt 240
tttttgaaat ctttaagaggg ccagcatttc tggctacaat tttgcacca gaacc 295

<210> 16286
<211> 175
<212> DNA
<213> Homo sapiens

<400> 16286
aacttgcgga ayyagaggac ctaaaaagtc tgctttgcta aggttatttt ctaattgaac 60
acttttttat gtacagggt tttgttgagt tcaatggaga taatctgaat 120
ctaaaacaaa actaatgaa acgccctaac cctgcttccc ctcaaacc aa 175

<210> 16287
<211> 162
<212> DNA
<213> Homo sapiens

<400> 16287
tcagggatgg aatggaatgg aatggaatgg aatggaatgg aatggaatgg aatcaacccg 60
agtcaatgg aatggagtgg aatggarkgg aatggaatgg aacaacccga atggaatgga 120
atgtaatgga gagtaaggga gtngaataga atcaatccga at 162

<210> 16288
<211> 86
<212> DNA
<213> Homo sapiens

<400> 16288
attagagaaa gaaagggagt gagggaggag agatgagtgg ctattccaga acgacataaa 60
gaatttccag cttggacgg acacgt 86

<210> 16289
<211> 135
<212> DNA

00543999-02400

<213> Homo sapiens

<400> 16289
ttttgtttat ttgtgtatta gtcgtaggca ttatttatcg actcttctct ctgaaagatg 60
aaaggtttagc tctctttcac attcttaact gccctttttt cttaccttgt ccatgtattt 120
ctaaccacct ttctt 135

<210> 16290

<211> 65

<212> DNA

<213> Homo sapiens

<400> 16290
tgaacatctg ccaccctggg tggctctggg agtcttgccg agtttttagga atcttttttt 60
ttttt 65

<210> 16291

<211> 87

<212> DNA

<213> Homo sapiens

<400> 16291
gatcgtctgg ctcaactacg ccgcctggct gcacatgccg ctgatgaagg ggttgccgcg 60
cacggtcgcc gcgtggtggg ccctggt 87

<210> 16292

<211> 139

<212> DNA

<213> Homo sapiens

<400> 16292
ggaggatggg gaaggcaggc cagggcccg agtgggtgaa gacttctcag gactaggcca 60
ggacagtgcc catccctgca gaagcccagt ggccaattga ggcaggagga gctccagaca 120
acagcatgtg agacaggcc 139

<210> 16293

<211> 91

<212> DNA

<213> Homo sapiens

<400> 16293
attttttcag tggctgtgaa taagctaaga atggtaatgc agtttcaggg gttagaaaat 60
ccaattcaaa ttagtcctca ctgcagctgt a 91

<210> 16294

<211> 163

<212> DNA

<213> Homo sapiens

<400> 16294
ctgaggtgta aagggattta tatggggacg taggccgatt tccgggtggt gtaggtttct 60
ctttttcagg cttatactca tgaatcttgt ctgaagcttt tgagggcaga ctgccaaagtc 120
ctggagaaat agtagatggc aagtttgtgg gttttttttt ttt 163

<210> 16295
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 16295
 gagatggctct tgctctgtcg cccagttctgg agtgcagtggt ctcgatctcg gctcactgca 60
 acttctgcct tctgggttca ggtgattctc ctgcctcagc 100

<210> 16296
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 16296
 attaatatat tcaattatat tttttttcta gagttacaaa actttcaa atgtgattta 60
 cctccacat aaccacaggt gactgctatc gaatgttttg ccaactcccta tcttgtttta 120
 cagtaaacag taatgttttt tcttgccact cactgccaat 160

<210> 16297
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 16297
 cttagtggcc gggcacagtg gctcatgcct gtaatcccag cactttgggg ggccaagggtg 60
 tgggtggcatc tacctgtagt cccaggtact cgaggcagga gaattgcttg aacctgggag 120
 acggagggttg cagtgagctg agactacgcc actgcattct agcctgaacg acagagtcag 180
 actcgaatgc agtggcgtag tctcagctca ctgcagcctc cacctcctgg gttcaagcgg 240
 ttctcctgcc tcggcctcct gagtagctgg gattacaggc gcacaca 287

<210> 16298
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 16298
 aattcacagt tgaaattctt aatcttttta tgttttccct ctttttttct tttttttttt 60
 tt 62

<210> 16299
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 16299
 aatccgattg gattactatg gaaaaagcaa cttgcctgtt ctgtttcttt gcatactttg 60
 tgacctaacc g 71

<210> 16300
 <211> 86
 <212> DNA
 <213> Homo sapiens

004220.66000000

<400> 16300
tgacctcgtg atccacccgc ttcggcctcc caaagtgctg ggattccagg cgtgasyacc 60
gcgcccggca tgctctgacc acctga 86

<210> 16301
<211> 211
<212> DNA
<213> Homo sapiens

<400> 16301
taaagagaat aaaataccta ggaatacatc ttacaaggga tgtgaaggac ctcttcaagg 60
agaactacaa accactgctc atggaaataa gagaggacac aaacaaatgg aaaaacattc 120
catgctcatg ggtaggaaga atcaatattg tgaaaatggc catactgcc aaagtaattt 180
atagattcga tgctgtcccc atgaagctcc c 211

<210> 16302
<211> 76
<212> DNA
<213> Homo sapiens

<400> 16302
tttcttagta ttaagttcta tttttaatga gctatggtcc aagagtatgg cagtataatt 60
tcaggttttt tttttt 76

<210> 16303
<211> 110
<212> DNA
<213> Homo sapiens

<400> 16303
ggcagagggt gccatgagcc aagatcatgc cactgcacta cagcctgggc aacagagcga 60
gactcctgcc tcagccttat gagtagctgg gattataggg acgtgcccac 110

<210> 16304
<211> 129
<212> DNA
<213> Homo sapiens

<400> 16304
ataaaaaaat tgttgtttac tatggaatta gtattacatt ttgaggtaaa caaaagaatt 60
tgtattgctt gataaatatt agcttgtaaa tttaaagttt ctttacttca attaaactaa 120
aggaccaag 129

<210> 16305
<211> 137
<212> DNA
<213> Homo sapiens

<400> 16305
tctattttta gtagaggcag agttttgcaa tgttggccag ggtggtctta aactcctgac 60
ctcaagtgat ctgccacct tggcctatca aagtactggg attgcaggca tcagccactg 120
tgcccggccg ccaccat 137

<210> 16306

004220" 06655560

<211> 132
<212> DNA
<213> Homo sapiens

<400> 16306
tctggctggg tgtgggtggct caaacctgta atcccagaac tttgggagac caaggctgca 60
gtgagctgtg attgcaccac tgcaactccag cctgaatgac agagcaggac cgtgtctcaa 120
aaaaaaaaaa aa 132

<210> 16307
<211> 182
<212> DNA
<213> Homo sapiens

<400> 16307
cgagtwtgta agtagtggtg gaagtaaagt gttatgtctt caggggaagt tatttgaaat 60
atcacacatt agtgcccaag cattttcttg tgcattttga gtctcctaaa ccattccctga 120
cagtgtctac tgagctgaag gacagtattt tgactgatgt ttgggcagtt ctccgggtccc 180
ta 182

<210> 16308
<211> 139
<212> DNA
<213> Homo sapiens

<400> 16308
accagtaagc ccttgaaggg ttctcgtgtga gctcgtattt tttgtgcctg attttttttt 60
tttttwaact ttkgmataact ttgttttgaw agtctgaggc tgggcctctg cctttgtraa 120
gttgaagasc magggtgma 139

<210> 16309
<211> 79
<212> DNA
<213> Homo sapiens

<400> 16309
ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
gctgatctgg ctggctcaa 79

<210> 16310
<211> 175
<212> DNA
<213> Homo sapiens

<400> 16310
cagtccaggt tccagtaact ttgggtccgaa atgatggaat catttattcc accagcctta 60
cctttaccta cacaccagaa ccagggccgc ggccacattg cagtgcagca ggagcaatcc 120
ttcgagccaa ttcaagccag gtgcccccta acgaatcaaa cacaaacagc gtggg 175

<210> 16311
<211> 176
<212> DNA
<213> Homo sapiens

<400> 16311
 attattagat ttagattttt ggtcaagatt cagagtgttt ctctctctct cccattccct 60
 ctctcctttt ttaacttatt ttgcaagac tgcttcatat aatagatgtt gttttccatc 120
 agagatactg attatctctc tgtgatgtca gcagckacta attatcagca cccgaa 176

<210> 16312
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 16312
 agaaatctta ctgtgattaa aatgtgcctg ataagcattt ttccttaagt accacaattt 60
 atgctttaat atcttcacta gtctctgaaa ttttagaatg acaccct 107

<210> 16313
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 16313
 agacggcgac asagnccggcg gcgagcgctt cggagcgcg gghaacagcg ccccccg 58

<210> 16314
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 16314
 tggaatggaa tggaatggaa tggaatcaac tcgattggaa tggaatggaa tggaatggaa 60
 tggaatggaa tggmmttaac ccgaatagaa tggaatggaa tggaatggaa cggaatggaa 120
 tggaatggaa tggaatggaa tggaatcaac ccgactt 157

<210> 16315
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 16315
 tctggttatg tcaagtggaa tatttctggc tttgggggag ccagctcttt ttttctctct 60
 cactctgagt atttagaggc ttttattgct atttttctaa aaggcaacat tagtaatcaa 120
 ctttgccaaa aatttcatat gaacgggtggg a 151

<210> 16316
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 16316
 gtagtctgcg agaatgcagg aaggcggcag tgaagcgnct ggtcggcggg gccgcggcaa 60
 agtggggagg aaactcatcc cgggcaggcg tcagggtggc tggagagcgc asacgcgcga 120
 acagaacggg ggcaggcgac aggaaaacgt gtgagcgcgc ggctgaaagc gactgg 176

<210> 16317
 <211> 189

<212> DNA
<213> Homo sapiens

<400> 16317
aaggagaagg aggaggtcgt ccctgatggc ccctggaggc gaagtcatca caggatgagg 60
aaaggacaga ggcacagaga accccaaga ggagatggg ctctgggaga cggccaaggc 120
ctcggccatt ctctgactac ggccagctgg ccagccgcag tttgtctatt cctgaagact 180
cggttgcatt 189

<210> 16318
<211> 59
<212> DNA
<213> Homo sapiens

<400> 16318
atcttctaatt taagaaaaat aacttctagt taatttattt caaggggaag cagtgggac 59

<210> 16319
<211> 88
<212> DNA
<213> Homo sapiens

<400> 16319
tttatattgg aaatactgtg aatggaaaat tgccaaatcc cttcttagta tattttaagc 60
accctacaac actttacctc cctgccga 88

<210> 16320
<211> 78
<212> DNA
<213> Homo sapiens

<400> 16320
cgaaaaattt gccactacat gtttcttctg aatatgtgtg tgtkccatagg agtggttactg 60
ctacttgctt aagggaga 78

<210> 16321
<211> 119
<212> DNA
<213> Homo sapiens

<400> 16321
atctaaaatt agaactgtgg gaaaaggatt atatgcaaca aaatgcaaaa gattaatgtg 60
gaggcatgat gcctaacgat tggataccct taaaatatta atctacatca ggcacagcc 119

<210> 16322
<211> 243
<212> DNA
<213> Homo sapiens

<400> 16322
caatttttgg cagcggwgtw aagacagtwc attggcaaaa gagtaggttt ttccacaggt 60
gatgctggga caactgaata tccacatgaa aagaatgaag ttggaacctt atcttatgtc 120
ataracaaaa ataactcaaa atggatcaaa aacctaaact tcaaaactct tagggaaaaa 180
aatagatatg tcttgattc cagaatgatt tcttaaatat gacaccaaaa gcacaagcaa 240

ctt

243

<210> 16323
<211> 131
<212> DNA
<213> Homo sapiens

<400> 16323
tattaatatc aggtaaaata gattgcaaca gaaaaatttt gtatcaggta atgtggattc 60
ttcatagtaa caaaagttca tcaggaggac atatcaatca taagtgtata tttatttaaat 120
gcagaatgac a 131

<210> 16324
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16324
aggacttcaa catggcggct gcggcactgg csktggttac ggtgacggcc tggcccggag 60
cgggcagagt tggagggtgtt ggcgttcgct ctccctaggg gctgtcggga gctcagcggg 120
gaccgagcct gggaggccgg ccgaa 145

<210> 16325
<211> 108
<212> DNA
<213> Homo sapiens

<400> 16325
gggactctgt ctctacaaaa aatctaaaaa ttagctgggt gcagtggcgc gcgcctgttg 60
tcctagctac tcgggaggct gaagttggga ggattgcttg agctgggg 108

<210> 16326
<211> 93
<212> DNA
<213> Homo sapiens

<400> 16326
aagactatac tttcagggat cagttctata gtgtgtkact agagaagttt ctctgaacgt 60
gtagagcacc gaaaaccacg aggaagagag gaa 93

<210> 16327
<211> 307
<212> DNA
<213> Homo sapiens

<400> 16327
ccgtctcaaa asaaaaatta aaaaacagtt gtttctggcc ggggtcgggtg gctcacatct 60
gtggtcccag cactttggta ggctgaggca ggaggattac gacgtcggga gttcaagacc 120
agcctggcca gcatgtgaa accccgcctc tgctgaaaat acaaaaacta gctgggcatg 180
gtggtgcgtg cctgtgtgcc cagctactcg ggaggctgag gcaggaaaat tgcttcaacc 240
tgggaggttg aggttgtrgt gagccgggat cgcaccactg cactccagcc tcgggaacag 300
agcagct 307

<210> 16328

<211> 355
 <212> DNA
 <213> Homo sapiens

<400> 16328
 aacacactta aacaccaaat gaataaaaag aggaaatcat tagggagata agaaaatata 60
 ttgagacaaa ttaaaaggaa aacatacata ccaaaactca tgggatgtag taaaaactca 120
 gaggggtcac ctcttaagca tttattagat gcctattata tgccatatct cagcttctct 180
 ggacatagac ctcatagaca tctacagaac tctccacccc aatcaacaga gtatatattc 240
 ttctcagcac cgcattccgc acttattcta aagattgacc acataattgs aagtaaaaca 300
 gtcctcassa aatgcaaaaag aatggaatca taacagnctc tcagnccaca gtgca 355

<210> 16329
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 16329
 agaacattcc tgcctatcct ccagctctca gctccgatac cccctcctcc aggaagccct 60
 cctgactctc caggatcaga ggggggttagg caccctcttt gggctctcac agcccatcct 120
 gtccattctg gggatgcctg cccccgctgc actgtgagca gggtagggc tgtctcggtc 180
 actgctgtga cccagcaca gggccaggca cagagctggg cctcgggacc acgtatggag 240
 tgaaggacaa a 251

<210> 16330
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 16330
 cattttggaa ctatagtaa gtggtggttg cacggcattg cgaacgtagt aaatgccatt 60
 gaattgatta ttttagtcgt gtgaat 86

<210> 16331
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 16331
 gtcctgcgcg ctttccgcgc cagcttcagt gtcagctcgc gagccctggc gtcgcgtagg 60
 agggaggatg gagagcggcg acgaagcggc cac 93

<210> 16332
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 16332
 tcatttttta aataaatgca atataaataa tatcaagtct gacgattcat ctcaaacctg 60
 atctgatggc ttatgatgtt tcttaaaagt agcaggtagc tttatatgta tttttatttg 120
 a 121

<210> 16333
 <211> 196

004220"666EFS60

004320" 666E F560

<212> DNA
<213> Homo sapiens

<400> 16333
tttagctttg gtcagtttga gaagtaggca aaacttaaact actttttttg ttttcagaga 60
tgaagtctcc ctctgttgcc taggctggag tgcggtggca tgatcatggc tcgctgcagc 120
ctccacctcc tgggtcaag caatcctcct gccttagctt ccttgagttt ctgggactac 180
aggtgtgcac cagctc 196

<210> 16334
<211> 54
<212> DNA
<213> Homo sapiens

<400> 16334
tcctgggtga cagagcgaga ctctgctttt taaaaaaaaa aaaaaaaaaa aaaa 54

<210> 16335
<211> 220
<212> DNA
<213> Homo sapiens

<400> 16335
tttttattct tttgttctct ttgagtttca gtttgaataa tttctttttt aattttactt 60
tgatttctgg gatacatgtg ctgaacttgc aggtttgtta cataagtatg catgtgccat 120
ggtggtttgc tgcacctatc aaccogtcat ttaggcttta agccccgcat gcattaggca 180
tttgtcttaa tgctctccat tcccttgctc cccagccccc 220

<210> 16336
<211> 103
<212> DNA
<213> Homo sapiens

<400> 16336
ttaaattgta ttgggtgcta acttttcatt agtctttgccc acactttttg ttgagctaga 60
catagcagtg agtgtccata agtgacatgt aatgtaaggc ccc 103

<210> 16337
<211> 94
<212> DNA
<213> Homo sapiens

<400> 16337
taaaaaacag gaatcatatt ttgatgtttt gatcaagggt ttgacgtttt ccagtggctc 60
agtcagaact cactacagtc tcgacctcag gagg 94

<210> 16338
<211> 117
<212> DNA
<213> Homo sapiens

<400> 16338
acacagacac gcagacacag agacaccggg gccaggggcc tcctatggac cctgcccgct 60
ccccctccat tgtccacggc tgtccgcccc ccccatctt ccaagcttca gcccccg 117

<210> 16339
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 16339
 caatagaagc tcaactggact acaataaaac tgcaggctgc aacgattcat ttttaatactg 60
 tctgtcctac tcatctcaaa aactgccctc aaggacagaa gccctgcttt ttcttttgaa 120
 ccgagcacca gaaacaggtg cacacacata agcacaccat 160

<210> 16340
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 16340
 agccatgagg caactcacga agaagaagag gttgaaaacg aagaggaagt acttgatgag 60
 gctgaggcag ctctcctggg ctgacatctt cacctagtgg ggtaagcggg ccactcacca 120
 cacagtta 128

<210> 16341
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 16341
 caaagaaaag actcctttca agaaaatgaa gatggttata ggtggcaaga cacaagaggc 60
 tgcagaactg taagacgaca 80

<210> 16342
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 16342
 tgacttttgc atgtgcaacc ctcccttttt tgccaatcaa ttggaagcca agggagtaaa 60
 ctacagaaat cctcgaagac ctccgcctag ttctgttaat acaggaggca tcacagagat 120
 catggcagaa ggaggtgaat tagagtttgt t 151

<210> 16343
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 16343
 ccatatttac atctcccttc tccaacagag agagccccag ttcctaagaa tatcaatata 60
 ttcacacaat tgctctttcc tgcctttcat ataaattggg attagaatta ttatgctaaa 120
 gtcattataa gttcagtagt tgtttgcagt tttttttgtc cttacagtat atcacacccc 180
 ga 182

<210> 16344
 <211> 171
 <212> DNA

<213> Homo sapiens

<400> 16344
 gtttaaaact gtggagaaga taagcaaaat acaagttgag cagtctgtct ttctgtgcga 60
 tttctcaacc ttagcaacat cctctgagca gtgattctta gttccttggt ctcttcgaga 120
 aatagtgtgt tcttgtggag acagcactgg taagaaagta caaacctga t 171

<210> 16345

<211> 133

<212> DNA

<213> Homo sapiens

<400> 16345
 agttaaatat ttttttaagt ccatgctaag taaaaattct tacatgttgt ctgatcccag 60
 agctttatct actaaaaatt atacataagg atttccaaat cttagagttt caaaaagtaa 120
 ccatagggaa aga 133

<210> 16346

<211> 82

<212> DNA

<213> Homo sapiens

<400> 16346
 tttagcacia aaaaaattgt acttttttat tgtcgaattg tttaaaagac ttcattcttt 60
 acttgttctt acgaaaagga ct 82

<210> 16347

<211> 90

<212> DNA

<213> Homo sapiens

<400> 16347
 gtttcttttag tgagtgacca tcgctgtcat tgcacagcag ataactttac taacctgcta 60
 gaacctcatt ggaaaaaaa cttttttttt 90

<210> 16348

<211> 70

<212> DNA

<213> Homo sapiens

<400> 16348
 aggcgcacac agggctcagc tgcccctcct ttgaggctgc tgcagaaggc aggccttgag 60
 acggaggttt 70

<210> 16349

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16349
 catacattgc tggtagascc ctttagaaaa cagtttggtg gttcctcaaa atgttaaaca 60
 gagttacgat atgaccagc aattgcacat cttgggattt accgaagaaa aataagacat 120
 agac 124

<210> 16350
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 16350
 caaaaaaatt agccggctta gtggtgggtg cctgtagttc cagctactct ggaagctgag 60
 gcaggagagt ggcatgaacc cgggaggtgg agtttgagc gagctgagat cgcgccctgc 120
 actccagcct ggtgacaga gcgagattct gtctcaaaaa aaaaaaaaaa aaa 173

<210> 16351
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 16351
 aatattaata ttggccctgg ccggtgaacc cagcagaggc tgtgcacgga agcccagagc 60
 acgatgtctt gttagaatgc tacctcctgg aaccagctg ccaggctctg agaagctcaa 120
 gtcacatggg gaggccacgt gtaggtgacc tggtaacag tctcagccaa agccaacctc 180
 tc 182

<210> 16352
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 16352
 caaaggttgg ccggtcatgg aggcgggcac ttgtagtccc agctacttag gaggctgagg 60
 caggagaatc acttgagccc gggaggcgga ggttgagtg agctgagatc gcaccactgc 120
 actccaggct ggcgcacaga gcaagactct atctcaaaaa aaaaaaaaaa 168

<210> 16353
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 16353
 gtttccattt tcacacagca ctgctgcca tcttagggac tttagcattc acaggcccat 60
 tgccccatat ctacttgtca atatgagaaa gcaggaggcc aagaattaca aaatgattct 120
 cctttggttg gacttcagta ccaggccac cacga 155

<210> 16354
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 16354
 gtatttttag tmgagaggag gtttcaccgt gttagccagg atggtctcca atctcctgac 60
 ctcgttatct gccaccttg gcctcccaaa gtgctgggat tacaggcctg agccaccaca 120
 cccggcccca 130

<210> 16355
 <211> 82
 <212> DNA

<213> Homo sapiens

<400> 16355
 ttatttggat aaccgctttg ttcagcctcg tctagagagc ttggtatcta gaagtcgttg 60
 gaaagagcaa tataaggagc ta 82

<210> 16356

<211> 182

<212> DNA

<213> Homo sapiens

<400> 16356
 acagcacggc tmggctcatg cccagagaaa gaggaagaag ctgagtgtga gacagaaagg 60
 aaacagggga tgacagagag agamyagaag aggaaaatta gcaagagaga ctaaaagaga 120
 cagagatcaa agagaaacac agaagggatg tagatggcaa cgtggctctc attccctcc 180
 ct 182

<210> 16357

<211> 289

<212> DNA

<213> Homo sapiens

<400> 16357
 aaatagagag tstaagagtg ctggacagga acctccaccc tcatgtcaca tttcttcaat 60
 gtgacccttc tggccctct cctcctgaca gcggaacaat gactgccccg ataggtgagg 120
 ctggaggaag aatcagtcct gtccttggca agctcttcac tatgacagta aaggctctct 180
 gcctgctgcc aaggcctgtg actttctaac ctggcctcac gctgggtaag ctttaaggtag 240
 aggtgcagga ttagcaagcc cacctggcta ccaggccgac agctacatc 289

<210> 16358

<211> 223

<212> DNA

<213> Homo sapiens

<400> 16358
 caaggaagaa ctagaatctg tgtttagagga agaggttgat gatttcccaa cttttggaga 60
 ctcccagagt gactatgata cggtagtcca tcctttctac gcttattggc agagtttctg 120
 cactcaaaag aattttgcat ggaaggaaga atatgataca cgacaggctt caaaccgctg 180
 ggaaaaacga gccatggaaa aagaaaacaa aaagattcgg gac 223

<210> 16359

<211> 92

<212> DNA

<213> Homo sapiens

<400> 16359
 aattgcagg gasccagggt ctcccagaaa cctsrccccc cggtattccc ctcaccctga 60
 agtaaggag tctccctctt cccctcatct cc 92

<210> 16360

<211> 245

<212> DNA

<213> Homo sapiens

<400> 16360
 ttttaattcaa ccaaattggca tgtatatggg taactagttg acagtgatta gggctgcagt 60
 caaggtgata ccatgacttg tgatcacat gatcacatgt gtgcttgagt gcttggccat 120
 tttcactgag ggaatgaggt gactgcccct gacccccagt gtccctgcctt ccttttagag 180
 ttaagccaga tggtcgactg ctgcaggctt ccacaggatg tatcggtgct tggcgtgtga 240
 ggtca 245

<210> 16361
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 16361
 gattgattga ttgattgatt ttgagatgga gtctcgcttt gtcgcccagt ctggagtga 60
 gtggcgatg ctcagctcac tgcaacctcc gctcctggtt ttcaaagat tctcctgctt 120
 cagcctcctg agactacag cagggccacc 150

<210> 16362
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 16362
 tgacgtggca cgctgggtggg tgtgtctgat tgaaagctgc tttcacccca gccctgtttt 60
 agtgagtcct caatctgggc cagtgtctga gccccgata 100

<210> 16363
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 16363
 ctctagcttg catgggtggt gcattgactt taatttattg aaaaatacaa atttttgtaa 60
 atatcagatc agtgatactg gtgttagtgt tgtaatcagg ttaaaccac ttccattaaa 120
 cttgacagga ccgc 134

<210> 16364
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 16364
 tttccagaag aaaacagttc caggttgctt gaaattgaaa atcaagataa aaatgttcac 60
 aattaagctc ca 72

<210> 16365
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 16365
 tttcttctga attgaggagg gggcaaaaca ggggtgaacat ccatgagggt ttgtatcagg 60
 acgtatttta ttgatggcaa ttggtagttg atggctaag agtatgtytg ggg 114

004220" 666EFS60

<210> 16366
<211> 263
<212> DNA
<213> Homo sapiens

<400> 16366
atthtccaac ccaytatgcc agttcagggt tgtatgtggc tggagtccat ccctgcagct 60
cagggcacaa ggaaggaact agccctagac aggacaccat accattgcaa ggctcactca 120
cacacacca tactcactca ggctggacta tgtatatatg ccaattcacc taccatgcac 180
atctttgaga tatgtgggga aactgcagta cccagagaaa acccacacag wcatgagtra 240
aatgtgcaaa ttccagacag act 263

<210> 16367
<211> 125
<212> DNA
<213> Homo sapiens

<400> 16367
ctgtagtccc agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggagggcga 60
sttcagatga gccgagatcg caccactgcg ctccagcctg ggttacagag tgagactctg 120
tctca 125

<210> 16368
<211> 84
<212> DNA
<213> Homo sapiens

<400> 16368
tggcgtaaca aattgggcgc tgtctcaacg agagatccgg tgaaatttta atacctgtga 60
agatgcaggt taccgcgcac aaga 84

<210> 16369
<211> 245
<212> DNA
<213> Homo sapiens

<400> 16369
caaattgggt aattagttta aaaatctgtg attacatttt taaatgaaat tttcaaagt 60
gcctagattg aggtgattca gataggtttg cgaatatacc attttatatt gttgagaaag 120
aacaaaaagg gaatttccag atgtcctaga aatcctagca acagatttct ctggttgta 180
gtttccctgg agaaggcgcc agataggaat ctccaatcag ttgtttttct cttcgcttca 240
ggccc 245

<210> 16370
<211> 256
<212> DNA
<213> Homo sapiens

<400> 16370
tatgtaaaaa tggaaaatgc taaatataca acatattgcaa taccttgtaa caggatgggtg 60
aaatggaagt tgaggttgca aaacaacaga tgccattcc aaattgaagt tctgagaaag 120
gatttcaaaa gaggtgaga accagtagat cattcttaaa tccctcacc ttataaggaa 180
tactaaagca tagaaggga gtttgaaata taacttctta ggaagagtta tttggaagc 240
tgtactgaga gtcgct 256

<210> 16371
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 16371
 tttgtctgtt ttgaattatg ggtatcacta atacgcctct gctgatgtgg ctaatgtgtt 60
 gttgactgtb atgctgtttt taggttcttg tgggttttagg tcacactggc aatggaatca 120
 acctctctc tcccatctga ttccttgat caggagtaca ataataattt tttcccctaa 180
 cacagaga 188

<210> 16372
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 16372
 ttttgagtcc ttgtttttaaa ttctttggag tatataccta ggagtgggaat tatcacatgg 60
 caattctgta tataaatttt taaggaagtc ccaacc 96

<210> 16373
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 16373
 ctgtgaaaaa ccaatagctg aaatcatagt kaatgctgaa agastgaatg ctttccctat 60
 ataatattta gaacaagtya agatatctgc tattcccaat tgtgtycagc attgttctgg 120
 aggga 125

<210> 16374
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 16374
 tggggatttt ccagctctaa gaggctaagg agtaggaggc cctccagtgg cgagggtggg 60
 aacagcggca cgtggtgcag ggtttaggaa tgcagcccaa gttgtttccg gaacarggra 120
 gtyctggggg gatgggttca acaggggtgt ccagtgggtg ctaggagagg tggagatggg 180
 gtgatggctg caggcaaggg aggagctgct cggtagggac ttaccagca gtgactgctg 240
 tggacaccac gctgggggga gtaccatcac ctctatgtca gtnacgctgc 290

<210> 16375
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 16375
 gtgaaggttt agaacagaag acggtttagat aagactgaat attgcagga tagcaagagg 60
 atgttagcag ttacagtggc attggatgct catttgtagt gtagtactgg gtagtgcata 120
 gttga 125

<210> 16376

<211> 58
 <212> DNA
 <213> Homo sapiens

<400> 16376
 tgggctgggc tgcttggggc ttggcatagg gtggaaaggg ctaccctggg gccctgaa 58

<210> 16377
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 16377
 actcaaagaa taattaatat caatgaaatt ccaagcacag gctagaaaaa gcagcctgtt 60
 ctttgccctgt taattgctac cccatgcct 89

<210> 16378
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 16378
 atgtcttcag catttggttaa ggaaaagttt tctctacttg tgtgtgtatg tgtgcacatg 60
 tgtgtatgta caggtgtatg tatatagata gatacacctg tacaacacac cacacacaca 120
 cacacacaca cacacacaaa c 141

<210> 16379
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 16379
 ctccatcctg ccttccttaa gaaatcttgt cctggctagg cgcagtggct cacgtctgta 60
 atcccagctg aggcaggcag atcatgaggt caggagttcg agatcaacct gcccaa 116

<210> 16380
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 16380
 cccaggcct gaagccactg ctccctagca tcccctgtcc tcacctgtct cccattcct 60
 gtccagtcag cttgcaggtc ctgtggattc ttctcatga tgttcatctc tgtcctttcc 120
 tctgtctgca tctttatcc 139

<210> 16381
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 16381
 atgcgcggtg cacagaggct tgtttcacat cwgtacaac aggaggaggc ccagcctcgt 60
 gatgaggaat ca 72

<210> 16382
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 16382
 tgaatcggtta aggagactaa ttatatccaa acaagtgggg gtagcaacct gggtaggagt 60
 ttctgacttc cttgtgtagg ctgaagaatt agatggcgctc c 101

<210> 16383
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 16383
 atccctgttg agtagcaggg acacatatgt ggatggcatt caggtggctt tgccctgtttc 60
 taattggtat agagttctag taagtatgaa gttgtg 96

<210> 16384
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 16384
 taatgaaaac tgtaaaatat ctcttaaaca attattcaag cccttttgaa tgtcagtyat 60
 gatcttgaaa atctgaagtg aatgccactg atactacagt tcatacagaat tgatttgga 120
 gaggggagga cttaataat ttaattctga t 151

<210> 16385
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 16385
 attttatagt cttgaagtgg gaaaatgacc caraagccat aaaggagata tattttacta 60
 cttaaaacta aaaaacaaac agccaacaac aacaaaaaaa cccaca 107

<210> 16386
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 16386
 gtcacgtcag cgcgggagag agaaagagag gaaccgactc ggcagggact gggggaccgg 60
 gccgagagtg cgagcgagcg agggagggag tgagggagcg tgcgagccag aaggggaaag 120
 ggggccactc gtgcctgagc gaccgcagag gggagtggga bcagtggggt aaaggagcgg 180
 ggggcgggaa trakwaaggc cgagagaagg cggaaaaat 218

<210> 16387
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 16387

004220" 66667560

ataagacctg tgtttccgaa gattaattta gcagcaatat agagaccatc cgcaaggraa 60
 ttgggtacaa gggtattaca gaggtctggt tgagagacat tgagggagac agttggggag 120
 gaggggaaag gtacgcatta ttatggaaat aggatgagta caatttagca attaagtcag 180
 aggtacagga cggac 195

<210> 16388
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 16388
 ccttcctcca ggagtctctg gtgcagctgg ggtggaatct ggccaggccc tgcttaggcc 60
 cccatcctgg ggtcaggaaa tttggaggat aaggcccttc agccccaagg ttgtcctcga 120
 ccagtcccgt gccatggcag cccacctgct tcccatctgc gccctctt 168

<210> 16389
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16389
 cataggaaaa ctaccaccca gatcaagaaa taggatatta ccagcaaccc tgaaatctcc 60
 ctgtactcag tcatatatgt cccatcaaaag taggcagtca ccaca 105

<210> 16390
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 16390
 cacattaaac gcatgtttga cactctaaac tttctatact ctcaatacca caaaatacat 60
 ataatact atacagatgt ggaaaaatct agttagtata taatactttg ctcaccatta 120
 acagctttat cgtgtgaaat gcacatactg acttagaaat cctagctttt gagccccgc 179

<210> 16391
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 16391
 attttcatga aactctgaag aaggaagggc tggacattca gattccttga mccttgacat 60
 ttggaagcat gaactccagt ctctcacasa aggctagagg tgaaggaaca ttcagacaca 120
 ttggtttcta agaagagtcg gctgacaaca taccgaagggt gtcttctgaa aattataaga 180
 aatcctgagt ttctgttagg ggattggctc cagctccatt gtccctcccc catcattcag 240
 tagkstccgc gaaagccctt agagccgggt ttgctccaca ggaagccaag aagcacacag 300
 gaaaaggagc ttagctgctg gttgctgctg gcaagatgga aaccaacttc tccactcctc 360
 tgaatgaata tgaagaagtg t 381

<210> 16392
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 16392

tttgagtttt ggggtacatg tgcacagtgt gcaggttggt tgcataatgta tacatgtgcc 60
gtgctgggtgt gctgcaccca ttgactcgtc atttagcatt aggtatatct cctaaagcta 120
thccaccccc ctccccccac cccacaacag tvcccagagc ca 162

<210> 16393
<211> 206
<212> DNA
<213> Homo sapiens

<400> 16393
cagaatttat ataaaagtag atttgttttc ttaaactctaa attctgatat tgtgtacttc 60
tttttttgag gtggagtctc actgttgttg cccaggctgg agtacaacgg tgcgacctcg 120
gctcactgca gcctccgcct cctgggttaa agcagttctc ctgcctcagc ctcccagagta 180
gctgggacta cagacacctg ccagca 206

<210> 16394
<211> 307
<212> DNA
<213> Homo sapiens

<400> 16394
agtcggctcg gvattggact tgggagggcgc ggtgaggagt caggcttaaa acttgttgga 60
ggggagtaac cagcctgctc ctctcgtctc cctcctcgtc tgcgcccgcgt ttcagagaga 120
aaattcctgt tccaagagaa aataaggcaa catcaatgaa ggagagaaga gccagccaga 180
aattatccag caaatctatc atggatccta atcagaacgt gaaatgcaag atagtwgtgg 240
tgggagacag tsagtgtgga aaaactgcgc tgctccatgt cttcgccaag gactgcttcc 300
ccgagat 307

<210> 16395
<211> 241
<212> DNA
<213> Homo sapiens

<400> 16395
attggttaag atgacattct gagaatgaag aaggatataa gcaaagggtgc aagcatattc 60
catataattt cagaaaattg aaattaaagt gtgaaatgtg aggttgtcaa atgttgttga 120
gcaccaagtg tatgtccact ttgagaacc ctttaccata gaacacatct acaaaaagaaa 180
gaaaagatac ttcattgaaaa ctgggctttc catcttcatt ttctctcaca tcccccaatg 240
c 241

<210> 16396
<211> 91
<212> DNA
<213> Homo sapiens

<400> 16396
agactcctct ctgctcctga ggaagacagg gcagcccggc gccacccgct cggccctcac 60
gaagctaaca cagaggatag acaagctccc t 91

<210> 16397
<211> 142
<212> DNA
<213> Homo sapiens

<400> 16397
 tgaagtcagt aggaggatga gagatagggtt atatggaaaa accaacaatt taacttgata 60
 atcaacactc taggcagaat agttagggtt tgggatgatg gttttgatgg tggggaagct 120
 aagacaggaa gatgaaggaa aa 142

<210> 16398
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16398
 gtgggaagcg gaggtagcga gcgagcggct gttggaggaa ggaggtgggg gccgggagcg 60
 caaatggcgt tgagatggtt cagggccctg ttcaaactcc agcactgacc attcaccggc 120
 atga 124

<210> 16399
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 16399
 tcaatgctga tacatttaaa ctgtggaggc atcaggggac caacctgcag tgatgctaag 60
 tggaactgac aagataatga catgcggggt attgttgatt aatccagttc actggagaat 120
 cattgggaaa tgcatttata ctttcacctg accctccaa cccacaa 168

<210> 16400
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 16400
 tacacccact ttgctatttg taatagacga caagaccatt agagtattca gttgctcttt 60
 tccttctcct ttgtaggac agaaaatatg caaagcctaa aatggcagcc tacaggttat 120
 tatatatgca aattttatag actctgtttt cattttaatt acatttgta ctttggatta 180
 ctttcaaaaa caactgttag cataaatga 209

<210> 16401
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 16401
 ccatgtgttt ctttagcctg ggcataatc aaaaatagtt gaactttttt tttttt 56

<210> 16402
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 16402
 aagactatac tttagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
 gtagagcacc gaaaaccacg aggaagat 88

<210> 16403

<211> 82
 <212> DNA
 <213> Homo sapiens

<400> 16403
 ttcacacttg aaattaaaaa aaatagtttt tttttttaat tttgggaaaa aattacatta 60
 taggacaata taagggacgc ga 82

<210> 16404
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 16404
 ttactcggga ggctggggca ggagagtcgc ttgagcccg gaggtggagg ttgcagtgag 60
 ccgagatggc gccactgcac ttagcctgg gcgacagggc gagacgccgt ctcaaaaaaa 120
 aacacacaaa cagaaagtga tagatcagcc ccaagtctct gtccctgatcc aaggctgtgt 180
 cctgctagga ttccccctcc tcctgtttcc tctccttctc gtgctgcttc tccagtggct 240
 cacacttata ctttttacag cattgcagtg gttgacagtt tctcctcct cctcactctc 300
 cccactagaa atctgtgaga ctccatact taacttggtt tctcctcct tctgtggaag 360
 ctctctcttg gctttttccc aggstccctc tyccctaaat tttgatcatt ctgagagact 420
 cagtk 426

<210> 16405
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 16405
 atttgacca tttccctgct tcgggatttt gatacgacac ctatgttttag gtaacaggcc 60
 acagagtaac tgaacaacta c 81

<210> 16406
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 16406
 ctgacctcgt gatccgccc cctcggacac ccaaagtgt gggattacag gcgtgggcca 60
 ccgcgcccgg tctgcttctc cccttttcat atgccttcgt gcactctcca caacagacag 120
 gattgcatta actctaaatc agacacatga agcccagac 159

<210> 16407
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 16407
 ctaaaaatac aaaaatttag ccaggcattg tgggtgatgc ctgtaatccc agatacttgg 60
 ggggctgagg caggagamtt gcttgamcat atgaggcaga ggtggcagtg agctgagatc 120
 gcaccactgc actccagcct catatgttca agcrattctc ctgcctcagc cccccaagta 180
 tttgggatta caggcatgca gccaccatgc ctagccagct atactttgtt gaatacttct 240
 gaggtacw 248

<210> 16408
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 16408
 cttagataat tttcttcctg tttgccgaag atttttcagt ctcaattttc tctgttcttg 60
 ctccagcacc a 71

<210> 16409
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 16409
 ctaaaaatac aaaaatttag ccaggcattg tggtaggatgc ctgtaatccc agataacttg 60
 ggggctgagg caggagaatt gcttgaacat atgaggcaga ggtggcagtg agctgagatc 120
 gcaccactgc actccagcct catatgtkca agcaattstc ctgcctcagc cccccaagta 180
 tttgggatta caggcatgag ccaccatgcc tagccagcta tacktwgttg aatacttct 239

<210> 16410
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 16410
 tgccccact gtaaacaac actgtagagg tgaaaggctt tgtttccaag gctcaggaac 60
 atggagagag gagccctcta cctttgcagt tcattcaaca gactagggat ctacttgccc 120
 tcacagggct cttagaataa ggaaaaaaaa gcagaaggca tgttccgcaa cctcactc 178

<210> 16411
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 16411
 attaaatttg tgatggatac cccaaagttg gcagaagtta atcttcccaa tttacttacc 60
 tctctctgag cctcctcaac cccaagccc 89

<210> 16412
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 16412
 gagatggagt tttgctcctg ctgtgcaggc tggagcgcaa tggcatgatc tcggatcacc 60
 gcaacctccg cctccaa 77

<210> 16413
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 16413

agaatataga agtgagggttg gacttggttg ctcgtgcctg taatcccagc actttgggag 60
 gctgaggcgg gcggtatcgcc tgaggtcagg agtttgagac cggcctgaca aatatggtga 120
 aaccctttct ctgctggaaa tacaaaaaat tagctgggtg tgggtggt 167

<210> 16414
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 16414
 atcctcaggg cctgggcctg gcctccttgc ctgtgagatg gcactgtgac ggtgcccacc 60
 tcgtggggtg tgtgagggcc gagtgaatc gtgcatttgc ggagaagaaa ggaaggagag 120
 ctgagtgtgg tgaaaaaagt gaagagtgtc ggctttggaa gcatgtatgc taaaattgga 180
 accacacaga gatgaccatg accccc 206

<210> 16415
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 16415
 aagactatac ttccagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
 gtagagcacc gacggg 76

<210> 16416
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 16416
 tgcttgatta ctttctgaca ggttgccatg atacaaatct agggacttgg gttctagtcc 60
 ttgctctgat ggaagtctct ggactaaaat cttgtcatct atgaaatgaa gagatcacat 120
 atccttatct gtgtctatgt atacacatcc ctccaccacc agcca 165

<210> 16417
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 16417
 tctgcgcaac ggcaccgacc gaggagctcc gaggagtccg cccggaaaca aacattcccc 60
 agggcaatgt cacgacttgg tcttcccag gagccagtca ggtaaaggct ttccggggccc 120
 tggcaccocg agcttgggtc ggcccggcct tgatcgtagc ggaggccacc ggggcctttt 180
 ggccgggact gatatttgcag ctcccggcag tscacctgcg agcgccggat gggggagcac 240
 tcgctccag caaccgcgan gtcccgaac ctttgcactg ctctggccag gaacagagcc 300
 ggcttaagcc agtntgggtt acatacacgc tgctcccctt cccagccggc ttggctgttc 360
 tgcaatccgc gtctccagag t 381

<210> 16418
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 16418

agtaactcgg gaagacgacc aagcgggagc gmgagcgaga gcgmgagccg gagcgagagc 60
gcgcggggcg gcccgacagc agtgcctgat ttgagatggg gtcccagggtc tcggtggaat 120
cgggagctct gcacgtggtg attgtgggtg ggggctttgg cgggatcgca gcagccctg 179

<210> 16419
<211> 161
<212> DNA
<213> Homo sapiens

<400> 16419
caagaatatt ttatattggc cgggcgcggt ggctcacgcc tgtaatccca gcactttggg 60
aggccgaggc gggcgatca cgaggtcagg agatcgatac tagcctggcc aacatggcga 120
aacctgtct ctactaaaa tagaaaaat tagccaggcg a 161

<210> 16420
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16420
gtcggggcag gaggcacgcg cgcggctgag gcgaggtcgc tcggcgcast gttgcggggc 60
catggcgggg acssgctcaa gaggtgatg gccgagtaca aacaattaac actgaatcct 120
ccggaaggaa ttgtagcagg cccct 145

<210> 16421
<211> 118
<212> DNA
<213> Homo sapiens

<400> 16421
ccccgcgggt tcgctctct ctgctgcggc gcggggaccg ntgtgctctc gaccctcct 60
cctgtagaga gtggtgctgc cctctcggga tgtacctgca ggtggagacc cgcaccaa 118

<210> 16422
<211> 370
<212> DNA
<213> Homo sapiens

<400> 16422
tcagaaggaa aaatggtttt aagaagtcca gctagtttgg gcatggtggc tcacaccac 60
agtcctagca ctttgggagg ccaaggcagg caaattgctt gagcccagga gtttgagacc 120
atcctgggca acatggcaga accctgtctc tacaaaaaac acagaaatta gctgggtgtg 180
gttggtgca cctgtagtcc cagctactgg ggaggctaag gtggatcacc tgagcccagg 240
gaggttgagg ctgcaatgag ctgttatcat gcactgcact ccagcctggg tgacaaagtg 300
agaccatgtc tcarraaaag aagtccagct agtagaagat caaactgagg agggaagaaa 360
tagatgcaat 370

<210> 16423
<211> 116
<212> DNA
<213> Homo sapiens

<400> 16423
cattaatttt gttttcaaaa ctagaataat ctcaccacag aatcagaatt ttctaccgtt 60

ccacacccaa ccccttcaaa tacacacaac cttgttactt tkactccag ccacct 116

<210> 16424
<211> 67
<212> DNA
<213> Homo sapiens

<400> 16424
tctgcttaag gttagtttgt tctcaagtct tgtcaccata tcagtactct tatcatttaa 60
actgcct 67

<210> 16425
<211> 153
<212> DNA
<213> Homo sapiens

<400> 16425
gtggatatcaa aacctctaaa aggggggaaaa tgagttcttg aaatcatggg tttaaaatgt 60
atgtgaaata ctgggtctgaa ggagcccagg gaccttttgc aatgttgaca ttccatacga 120
atattgaatt ttaaattctg agagaaggta ata 153

<210> 16426
<211> 188
<212> DNA
<213> Homo sapiens

<400> 16426
tacatatatc ttttgattta ttctaatacag atgtttaaat tgttcttatg tgggaacact 60
aaggtagcta tggagaatta tggagtggac ctccacccat aaagagctta caaaatctat 120
agcatgtatc aattgttaag tgacagtatt agatagtaag gcatctagtg gggtagtaag 180
catggaca 188

<210> 16427
<211> 93
<212> DNA
<213> Homo sapiens

<400> 16427
aagagagaac aacaacactc aaatcaagaa attcagccca tcagattgcg aacttcaagt 60
gcctgctggc tggctagagt aagagagggtg agt 93

<210> 16428
<211> 87
<212> DNA
<213> Homo sapiens

<400> 16428
aagactatac tttcagggat catttctata gtgtgttact agagaagttt ttctgaacgt 60
gtagagcacc gaaaaccacg aggaact 87

<210> 16429
<211> 208
<212> DNA
<213> Homo sapiens

<400> 16429
 cggatgaagcc cctctctctgc tggaaatgca ggaaattagc cgggtgtggt ggcgggcgcc 60
 tgtgggtccc gctactctgg aggtgaggc aggagaatgg catgggccc ggagggcgag 120
 attgcggtga gccggggtcg cgcctctgca ctccagcctg ggtgacagag ccagactccg 180
 tctcaaagga aaaaaaaaaa aaaaaaaaaa 208

<210> 16430
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 16430
 tagatgtaca atgaaattat tatatgttaa agctactggg aataatttct acgtggttat 60
 gccacaaact taattggcca atagggtttt ttgtttcatt ttgttttttg tttgaggtat 120
 tgctttttat tgttttgctt tataattata taaactatat ggttccaaag ggcag 175

<210> 16431
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16431
 acaaaaatgg ccttgtgttt tacttgatta aaattaagcc ttaagtttag aacatcttta 60
 aacttggttt aaaatgttca ttttaggggtg tttgccagct tccga 105

<210> 16432
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 16432
 tcatgttttt gtgagcagcc gtgaataggg ctggggggaga gagatgttca gccaaagaaag 60
 tctaaaatag aaagggaatg ttcagttata acaaaacaaa tttttgtaat tagagtgtg 120
 gggtgtgctc agcatcattg gagttaaagtg tggagcagtg gcttacactt gtaatcccag 180
 cactttgaga aactgaggtg ggcggtatccc ttgaggtcag gagttcgagg ccacctggg 240
 caacatgggtg aaactccatc tctacaaaaa atagaaaaat tagccggctg t 291

<210> 16433
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 16433
 ccttaacccc acatgctcaa aatcaaatga tacatatcc tgagagaccc agcaatacca 60
 taagaattac taaaaaaaaaa aaaaaaaaaa 89

<210> 16434
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 16434
 acctgttttt gatacataag gtttatgtta tgaccatac tgtaaaatgt gacgcatata 60

attacagtgg tatatataat gcagtaccag aaaacttytg tgtgtntttt ttccccccca 120
gaaaccaggg tggttatgac cgctactcag gaggaatta cagagaccaa 170

<210> 16435
<211> 60
<212> DNA
<213> Homo sapiens

<400> 16435
aaaaggtagg acagtacatt agttttgaag tcatgactgg gatcgagtga taaaggggaat 60

<210> 16436
<211> 141
<212> DNA
<213> Homo sapiens

<400> 16436
aggcctctcg cgggttcgca ccgggtgacg gcggggactg gcctggactc tgggggactg 60
gcgggactct ggaggagggc ccggcggcct cggaggaggg accgaggtct cctgggcggg 120
aaactgggac ccggcggaac a 141

<210> 16437
<211> 94
<212> DNA
<213> Homo sapiens

<400> 16437
agtactgcta gtttcttaat caaggcaaag aaagccacat gcttcattac tcatttttta 60
acatttcctt caaattattg taaatggccg ctat 94

<210> 16438
<211> 99
<212> DNA
<213> Homo sapiens

<400> 16438
atgaactcct tccctttttg ccagtcacct ccaccacagt ttccattgaa aaatagaagg 60
taggccaggt gcggtggctt atgcctgtgg tcccagaac 99

<210> 16439
<211> 192
<212> DNA
<213> Homo sapiens

<400> 16439
taacatgata taatataaaa tatgagttaa tccattttct atgatatcag gcttccagtc 60
aacagtaggc tattaataat taagtttatg gggtatcaaa acttacatgc agtttttttg 120
gctgcactgg ggttaacagc tcctaccccc atgttggtca aggttcaatc tcatgcgcgt 180
gcacacacaa ac 192

<210> 16440
<211> 307
<212> DNA
<213> Homo sapiens

<400> 16440
 cacttttcat atccagacat gagatcatcc atttctccaa aaagccctga ttcctttcag 60
 tggagaatgg tatttaaaaa ctgaaactgg aggccagggtg tgggtggctca cgctgtagt 120
 cccggcactt tgggaggctg gggcggggtgg atcatttgag gtcgggagtt tgagaccage 180
 ctggccagca tggtagatc ctgtctctac taaaaatgca aaaaaattgg ccaggcatgg 240
 tggcaggcgc ctgtggtctc ggctgcttgg gaggctgagg caggagaatt gcttgaatct 300
 ggggggc 307

<210> 16441
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 16441
 gcagaacaat tccgaaaatg gcaaactact actactactg ttcagttttt taaaagtttt 60
 gaaatgctgc atttacattt aaaaaaaca caacaacatt ttttcaaca tttcaacaat 120
 gacacaaaaa ttcacatgga aatggggaag atggtctggt ttgacagaaa ctgacagga 179

<210> 16442
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 16442
 attagaacaa ggattggcag gttgttagaa gtgagatact aagatgctgt cagactactg 60
 atactcttga tttatagggg taaagagttc agattgcaag ggtttgggga aggttcccct 120
 ctggaaaaga atgacctgca tattgttatg agtkagtgat tcttctatct taataaagca 180
 ccc 183

<210> 16443
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 16443
 taaacttttag tactatatca tatgttgggt taggctatgt cagtcagagg aatagagatc 60
 cgtgaaggct ggcacagtca aaaatggagg aagtgggaact cgacgggagc ctttaaagaa 120
 aatcttcaga ctggaggacc aagaaaaggc ggtggaag 158

<210> 16444
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 16444
 gtataaagaa atttcatgct ccttcctgac gtaggtatct tgctgccggt gttttgggaa 60
 tcaagtggga atcaagggtg ctagtgagaa tcttactggt ggggacatga atttatattt 120
 aatcttagct ctttctggtg ccc 143

<210> 16445
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 16445
ttaaattttta cagggttaaaa gctcaggctc tgtttaagtc gagagaactg gttgctgaaa 60
aacagcttac taaaccccaa ga 82

<210> 16446
<211> 243
<212> DNA
<213> Homo sapiens

<400> 16446
taaccaaagg gctgctcttc ctggcttgcg gggaggagaa attaatacagt gaaggacact 60
gattgattgt gccttaaagg gtttaagatc tcacgggagc atagtgatat ratcccacag 120
attaggaact tagaatggga tgtataattc taggggtgctt gagttgaagt gtttcttttt 180
gaaatttcta agataaagca caaactttaa aagttaaaca ttgtcaagtg catctcccc 240
tac 243

<210> 16447
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16447
cttaaataca ttaaacaaaa ataggaaaaa aagcagttaa aatttgatgg catatcagcc 60
agctgaccca attcttgga cagtcaacaa gtatctttga tttgttttca gcagggctaa 120
gtcatcagat atgtcagaag gggcc 145

<210> 16448
<211> 200
<212> DNA
<213> Homo sapiens

<400> 16448
taaaggggaa atcggtgatg agataaggaa ggcaggaaag caagagcaga catggagAAC 60
tttgaatggc catgtgcctg ttctaaggag tttagatttt gttttggagg caatgcagag 120
gagaatggca tcatcatatg caagttggaa aaatgctaata gtccacatgg agaaagaagg 180
tggtgtagcg atggacaggg 200

<210> 16449
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16449
gtgcctgagt aaagaagaga tttaattatt ctccagtagc tgagcaatgc ttgtgaatct 60
tttcttaaga aatccccaaa agccaatatt agttaaatt ctgttggtta atttggttat 120
cttgctttat aaattatgcc cctaa 145

<210> 16450
<211> 255
<212> DNA
<213> Homo sapiens

<400> 16450

agtaggaagc cgcggggtgg tggcgagaga ggacccaggt gtcctggcag tgggcgcgcg 60
 ggggcacacg ctgggccaag gtgcaggcgg ccagggtggg agactgttcg ccccgccctg 120
 agtactccta tcttgtttct ccacctgttc gggagtygga gatgtgcacc taaaggaggc 180
 gcatctgggg acggacacat ctggcactga ggcctcgcg acctgcctcg ccacctggcg 240
 acctgaccc caccg 255

<210> 16451
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 16451
 aaggaaaact gttgctaatt cataggattt attcttttcc tagttcttct ggtgcgctct 60
 gaaatgttga taattatgtt gacttgcagc tatgacttgg ttcagctgtt ttgattttca 120
 tggtatctca ctaagttatc aaaaatctgt tccaccttcc aatctctact ccccttcaga 180
 aagaaagagt acatgcactt atggtgtata tctcttttct tgaccttaaa ggattaaagc 240
 aaaaataaca cattagctta cagacttttg attttttttt tttwaatttg gaattaatac 300
 taatgagact ttgagaattg tattggtggc aa 332

<210> 16452
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 16452
 cagaatttga ggtgttttgt ttccattttt atttcaagtt ggacagatct tggagataat 60
 ttcttacctc acatagatga gaaaactaac acccagaaag gagaaatgat gttataaaaa 120
 actcataagg caagagctga gaaggaagcg ctgatcttct atttaattcc ccgcacc 177

<210> 16453
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 16453
 tagcatgtgg cttgttcctt aactttgtcc aggaggaaca tgagcagaaa gagcagagga 60
 acaacca 67

<210> 16454
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 16454
 atttagctct cactctgata atgattagat ttaaaaccgt gcttttctct ctgaggccct 60
 acaa 64

<210> 16455
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 16455
 tatgcttttt gacaaactgt tatatttgct agaaaagcta tcactgcaga ataattttct 60

caccatgttt tctgacttcc ctttgccgcc cctgaagctt gcgaccact tgcctaattg 120
 ttagttgatt tatgttcaag gaatgaaagt tgatttttag gccaatcgat ttaggtcct 180
 tatattaaac agaatttagt aaatcaagca aatttgccat cagcttttct ctttcttctt 240
 cagccccctt a 251

<210> 16456
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 16456
 ccctttctca gtttgcaata atcttacgtc catgctattg aactaattt tgaaactgga 60
 aagctaatta atgacatatt catgtgttct ttcataat aaacatttat taatgtatag 120
 ttctacacca ggcac 135

<210> 16457
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 16457
 caaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc ccagctactc aggaggctga 60
 ggcaggagaa aagtgtgaac ccaggaggcg gasnttgag tgagccgaga tcacaccact 120
 gcactccatc cagcctgggt gacaggggtga gactctgtct caaaaaaaaa aaaaaaa 177

<210> 16458
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 16458
 aatcctatga tttgggcacc aaacttattt gcagtttgtt tctttttcag cataagtcac 60
 tgctagacct ttgaagtgt tagcacagaa gaaataggaa cagggtgatg tggaataaaa 120
 ataattcaaa aatactcttc aagtggaggt tcttttagaaa tactgttgat tcataatgta 180
 gcagtgttac tttttgttgt taatgttcaa ggacttgggt tatcttcttc aaaaagtagt 240
 aatagcaggc ttatttgatg cctactacta gaaaaatatt ttaggtgatt tacataagat 300
 acgcctagct cgggttgatt ccattccatt gcattccatt ccattccatt caattccatt 360
 ccgttccatt ccattccatt acattcggat tcattctatt cactccctta ctctccatta 420
 cat 423

<210> 16459
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16459
 acctatcaat aatgacattg aatgtaaagt aatatctcca ttaacagcca tagagtggct 60
 gcatgggctt aaaaaaaaaa agaaaactaa gacacaactg cctac 105

<210> 16460
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 16460
aattctttgt aattgtcttc agagcagccc tactagcaca taccgcgtgg tgtttgtatt 60
tctgtgaaca cacagccagt ccgtttctag gctttgtttc tctgtgtgct tagttttaaa 120
gacaactttg aagtaaaca tgaartaaaa gatgtsrcta aaacctctga ggctcctgag 180
cacattttgc tgatacagtc tgtggggcctt gaggagaccg catgtattgt tctttctttt 240
gtttttcttc tgagtctca actgcggaga gcacctgaac cccctttcct ttttgaccgc 300
agctgcactt tgggccccag ccagcccttt ttctttttct ttttcttttg tggttcttcc 360
ctggagcgac tctggggagt cctggatata cca 393

<210> 16461
<211> 222
<212> DNA
<213> Homo sapiens

<400> 16461
ctgccttcat tttgttatgt acccagtagt cattcaggag caggttggtc agtttccatg 60
tagtagagag gttttgagtg agtntcttaa tcctgatttc tagtttgatt gcactgtggt 120
ctragagaca gtttggtata atttctgttc ttttacattt gctgaggaga gctttacttc 180
caactctgtg gtcaattttg gaataagtgt gatatgggtg ct 222

<210> 16462
<211> 83
<212> DNA
<213> Homo sapiens

<400> 16462
aagactatac tttcagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
gtagagcacc gaaaaccacg agc 83

<210> 16463
<211> 110
<212> DNA
<213> Homo sapiens

<400> 16463
accatcatga tgaacttcac gaaagtcctt gctgtttcag ggaagaaggc tcttccttca 60
tttctgtggg agatgtgacc atgcgaggtt gtgcaggtag aagccgggac 110

<210> 16464
<211> 143
<212> DNA
<213> Homo sapiens

<400> 16464
ttgctatcac attaaaaaga attaacaggc caggcgcggt ggctcacgcc tgtaatccca 60
gcactttggg aggctgaggt gggcggatta cctgaggtca ggagttcgag accagcctgg 120
ctggcatggt gaaaccccggt tta 143

<210> 16465
<211> 69
<212> DNA
<213> Homo sapiens

<400> 16465

acttatagaa atcacactct ttccatatgg atgtcattta cccaaagcat aagctagtaa 60
caggaaccg 69

<210> 16466
<211> 127
<212> DNA
<213> Homo sapiens

<400> 16466
tcaggagttt gagaccagcc tggccaactt ggcgaaaccc cctctctgct aaaaatacaa 60
aaattagctg ggcgtggtga catgtgcctg tagtcccagc tactcgggag gctgaggcag 120
gagagcc 127

<210> 16467
<211> 77
<212> DNA
<213> Homo sapiens

<400> 16467
tgtaactga gataagactt tatcccagag gcaatgggga gttatatattt ttaaacaat 60
gcacctacac agtcagc 77

<210> 16468
<211> 117
<212> DNA
<213> Homo sapiens

<400> 16468
catgtgcaca atgtgcaggt tagttacata tgtatacatg tgccatgttg gtgttctgca 60
cccagtaact cgctcatTTaa cattaggtat atctccaaat gctatccctc ccccaca 117

<210> 16469
<211> 121
<212> DNA
<213> Homo sapiens

<400> 16469
acacgtgtgc tccctgccct gctcctggcc ccttggccgg ccgggctgtt tctggccatg 60
ggtcgctccc gccggacagg cgcgcaccga gcgcactctc tagcccggca gatgaaggca 120
g 121

<210> 16470
<211> 147
<212> DNA
<213> Homo sapiens

<400> 16470
ttaaataaca catcgcattt ttgctgtaga tgcctccat gatctagctg ctgcctgcat 60
ctcttacgtc atcccttccc actctccctt tgctccctgt gctctacca cacagcctt 120
ctgtctttct gtcactcact ccagcaa 147

<210> 16471
<211> 90
<212> DNA

<213> Homo sapiens

<400> 16471
cactagaatg gttaaaatat aaaaacactg ataataaata ttggagagga agtggatcaa 60
aataaatttt tatactatac ggaggatact 90

<210> 16472

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16472
caaaaataac cttcaggaaa aagaaaatca ggaaaaaaat tttttttcaa taatcttatt 60
ccctatatta aattagattt gaagaggatt aacgttggtt tagtttggtt ccagaccagc 120
ctgt 124

<210> 16473

<211> 184

<212> DNA

<213> Homo sapiens

<400> 16473
tatttttctt gtttcaaaat ttatattatt cctattaaaa atggaatttt tcatcatgtt 60
tggattttct gtgtcatggc tgctgttttt cctggccaaa ttcttcatct acgaggcaag 120
ctctcctgga agactctgtc cctgagtttc ttatagcaag ttgagtatgc kaaaagccag 180
taac 184

<210> 16474

<211> 163

<212> DNA

<213> Homo sapiens

<400> 16474
ttcttccaga atggaatgga atggaacgga atggaatgga atggaatgga atggaatgga 60
atggtatgga atggaatgga atggtacaga atagaatgga atggaacgaa ttgtaatgga 120
aaggaattga atggaatgga atggaatgga atggaatgga gga 163

<210> 16475

<211> 109

<212> DNA

<213> Homo sapiens

<400> 16475
tggatgaaat tatatgctat ctggaattgt cttctaactg atccttggtt gggcatgggt 60
ggagtgtgag ggtatatgcc aggcattggc aaattatctg taaagggca 109

<210> 16476

<211> 181

<212> DNA

<213> Homo sapiens

<400> 16476
agccgggcct gatggccctg aggcagtwcg gatgtgtccc aggaagtgcc catgtgtggt 60
ccgccgtcca ttccacacct ctgagcgcct ttgtcctctg aacttctcac cagttctagc 120

gagtaaaatt gcgtcccaga tgttgtggaa ctgtccctgg atctatagct cttcaccgtc 180
a 181

<210> 16477
<211> 176
<212> DNA
<213> Homo sapiens

<400> 16477
ttgaaacttt tcaaatatat gaagaggtag gttctactgt atacatttta ttggaaagcc 60
attaatcatt gaagaactta agcagggtgg gcatttaatt tcttccaaat accttatttt 120
ttggatctgc tcaagtgggt agggcgagtg caccattatt cccgaatccc tgcaaa 176

<210> 16478
<211> 140
<212> DNA
<213> Homo sapiens

<400> 16478
aaaggaatgg aatcaacccg agtgcagggg aatgtaatgg aacggaatgc aatggaatgg 60
aatcatgcgg aatggaatgg aatggaatgg aatggaatgg aatcatcccg attgcaatgg 120
aatggagtgg aatggaacag 140

<210> 16479
<211> 342
<212> DNA
<213> Homo sapiens

<400> 16479
aatggtatgg aatggaatgg aatggtacgg aatagaatgg atggaacgaa ttgtaaagga 60
atggaattga atggaatgga atggaatgga atggaataaa cgcgagtkca ggggaatgta 120
atggaacgga atgcaatgga atggaatcat ccggaatgga atggaatgga atggaatcga 180
atggaatcaa cccgagtgca atggaatgga gtggaatgga atggaatgga atggaatgga 240
acaacccgaa tggaatggaa tgtaatggag agtnagggag ttgaatagaa tcaatccgaa 300
tgtaatggaa tggaatggaa tgcaatggaa ttgaatcaac cc 342

<210> 16480
<211> 193
<212> DNA
<213> Homo sapiens

<400> 16480
tttggttaatt aaatgatttg cagtagcatg agtttctctc ccatgctctc tgcttatttc 60
ttactatagt ttgtgatggc cataagatgg tgctgcagtt ttgcagtcag ccttaaggat 120
aaggcttagg ggaagaacac ctactgcagt ygtgaggcag atgggacatc aggagggtct 180
tagaagggac tga 193

<210> 16481
<211> 99
<212> DNA
<213> Homo sapiens

<400> 16481
tattattgtg tctgttttagg ggggtaggat ggagggggag atattcggct gctgttgatg 60

ccgattgttg acttgccatt tgatatcaga tagggagga

99

<210> 16482

<211> 152

<212> DNA

<213> Homo sapiens

<400> 16482

ttgtttgttt gtkwggwttta attggaatct tgctctgtca cccaggctga agtgcagtag 60
tgtgatctca gctcactgca acctccgccg cctgggttca agtgattctc gtgcctsagc 120
ctcccagta gctgagacta tagatgtgcg ct 152

<210> 16483

<211> 147

<212> DNA

<213> Homo sapiens

<400> 16483

accagcatta ctccaggcta acaagccttg ggagtatatc gttccttgtg gctaaggggt 60
tactgacatc ctctggacct ttctccagta gctcccatc atgaaagctt tkgtttgaaa 120
aaccttcctt atccccaccc cccacaa 147

<210> 16484

<211> 176

<212> DNA

<213> Homo sapiens

<400> 16484

caaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc ccagctactc aggaggctga 60
ggcaggagaa aagtgtgaac ccaggaggcg gasttgcagt gagccgagat cacaccactg 120
cactccatcc agcctgggtg acagggtgag actctgtctc aaaaaaaaaa aaaaaa 176

<210> 16485

<211> 190

<212> DNA

<213> Homo sapiens

<400> 16485

tagttcgtgt aaattctctg agaatgttct ggagatagat aactcattta cagtggtttc 60
tattaactaa ttaaagtacc catgattttt tccttttctg ctccaggatg atggagattt 120
ccttttacct tctgaggtag aattttttta tggggaaaat aggcctttta aatattattg 180
ccagggtcaa 190

<210> 16486

<211> 68

<212> DNA

<213> Homo sapiens

<400> 16486

caaaaattag ccgggtgaaa ttagccgggc gtggtggtgt gtgcttgtaa tcccagctac 60
tcgggatg 68

<210> 16487

<211> 114

<212> DNA
<213> Homo sapiens

<400> 16487
tttctaacgg tgccatttcc tccctgaggc gtggaggact ggccagcccc caaasvkcca 60
agcccatcgg ctggatgccg tggataagcg aggggagagc gactaggccc tgtc 114

<210> 16488
<211> 107
<212> DNA
<213> Homo sapiens

<400> 16488
agtcggtaat cgtttatcgg tgcggcctta gagaaaggac ctccaagccc ttgttcaata 60
catgttgggt ggtggtcaca ggtgccagtc tccggacgga tggcggc 107

<210> 16489
<211> 111
<212> DNA
<213> Homo sapiens

<400> 16489
cagcactatt tgcagtagcc aggatatgga atcaatctag gtgtcaaaca atggatgagt 60
ggataaagaa aatgggaata tacgcacaat agaatagtat tcagccacaa t 111

<210> 16490
<211> 267
<212> DNA
<213> Homo sapiens

<400> 16490
cttatgagac agtgaagggt gttcccaagt tgtggtagac aggggtgtgtt cctctttgct 60
tgtgatacta ccagtactag ttttcattgg tctaagggtg catatttttag cattgccgaa 120
atccagaagt gtcttaaaat tgctggtgac cagggtgtcag ctgtgacgta ttatcattgc 180
ctgcacctgt gcaactttga tgttattggc atggcgtgac tggttagctg tactccctgg 240
cttttcagtt aataaataat ttaagga 267

<210> 16491
<211> 145
<212> DNA
<213> Homo sapiens

<400> 16491
gtycagaaga ggsaaatcta tagggataga aagcagatta gtagttgtca ggagctgagg 60
taagggaaga tagtgaatga ctattaatgg atatagaatt tgtggtaatg aaaacgttct 120
ggaattaata atgatggctg caca 145

<210> 16492
<211> 218
<212> DNA
<213> Homo sapiens

<400> 16492
ttataggatt tgggctttgg ataattttgg ggggaaggctc taaggacatg agggcttgct 60

ctagataggg tgctgtcggg aaacagaggc aattctatga ttgggtatca acagatctta	120
tagagggggg caagtagatt gaggttaaag ctgtaattgg tgaagaaata gctgtcactc	180
attcagcaag aaagagaatt ttgtattttg tgggtcga	218

<210> 16493
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 16493	
tattggtagt wctgaacggt agataawttt twccatggg gtcaaaagggt acctaagtat	60
atgattgcga gtggaaaaat aggggacwka aatcagggtat tggcarwwwt tccattttca	120
tttgtgtgtg aatwtttaat ataaatgcgg aggact	156

<210> 16494
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 16494	
ttgtttgttt gtttgtttta attggaatct tgctctgtca cccaggctga agtgcagtag	60
tgtgatctca gctcactgca acctccgccg cctgggttca agtgattctc gtgcctnagc	120
ctcccagagta gctgagacta tagatgtgcg ct	152

<210> 16495
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16495	
aatggagtgg aatggaatgg aatcaaaccg agtgcagggg aatggaatgg aatggaatac	60
aatggaatgg aatcatccgg aatggaatgg aatggaatgg aacct	105

<210> 16496
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 16496	
ttataattca tttcactsaa agtatatgat taaagctcat tcaaagccct aagagttggg	60
aatgaaggaa gaattgtagg atgttctgct gtgccacaag acttaattta taccatttat	120
tagtcttacc aagtacattg aaaggaaaaa gttgttgggg gccaggcacg atggcttgca	180
tctgtaatcc cagcactttg ggaggctga	209

<210> 16497
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 16497	
aatttatata agccatcccc cactgtcaga ttcttttttg ttttaacttt tattaggttc	60
aggggtatat gtgcagggtt gttatgtagg taaactgcat gtcacggggg tt	112

<210> 16498

004229" 6667550

<211> 137
<212> DNA
<213> Homo sapiens

<400> 16498
ttagaggttg agaacttgtc acttggtgtg aagctggggt tcaaaggcag tnaaagtctg 60
attctaaagt ctctgctcat agcagtgcgt ttttaagccac tctgacatat cttgcttttc 120
tttgctcatg tcattct 137

<210> 16499
<211> 53
<212> DNA
<213> Homo sapiens

<400> 16499
aagctgcccc tgaaccccag aacaaccagc tggatcagtt ctcacaggag cta 53

<210> 16500
<211> 203
<212> DNA
<213> Homo sapiens

<400> 16500
ttctggggga caatgggatt ggaatgcaaa caaaatagag ctttctatga actaggtggt 60
attcttagaa tccaggatct ggctggataa tctgggcctt ttctctttcc taaaaagagc 120
cttttccttt ctttctgggt tactaacaga atatgacact gtttgctggc acaactagaa 180
tggtgctga gggtcaccgc gaa 203

<210> 16501
<211> 68
<212> DNA
<213> Homo sapiens

<400> 16501
atatatcttc aacatactta aaaattatgg ctgttaatac atttgagcaa tatgggttta 60
ccccgcc 68

<210> 16502
<211> 57
<212> DNA
<213> Homo sapiens

<400> 16502
aaaaaactcc tttttctctg catgatactt ctgcttattg tccttcacac tagcacg 57

<210> 16503
<211> 135
<212> DNA
<213> Homo sapiens

<400> 16503
attttaatgt tggcccaagc caggcacacc cagggataga agcacattgt tctgtgcatt 60
ccaaagcttg agcaaaagcc ctggccatac ccacatcgag ctcccctcca ctagttgcta 120
gaaatcagaa aggct 135

<210> 16504
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 16504
 cctttatttc catagtgaca ctgaaatgac tgctcttttg tacagttctc taagggttaa 60
 gtgccagaaa gccaaagtaa aactttctga ttgggttcag ctccacagct tctgtccac 120
 aaacatctgt ctcttctagc cccttat 147

<210> 16505
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 16505
 aggtaggctt tttgtggcaa ggaatatttg aaattgggca agatgagtga gctgagatcg 60
 cgccactgca ctccagcctg ggcaacagag cgagactcca tctcaaaaaa aaaaaaaa 118

<210> 16506
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 16506
 cgtaaatagat taggttatag aaaacctgca gctggcctct cctgcttgtc ccaagattct 60
 ttgtattatg taattagaaa atagaaatct ctttgttgag aagagaaatt tgaaatggaa 120
 tttttctctt cttgccccct ctgaa 145

<210> 16507
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 16507
 aagtcaaaga gtaataactg ctactagtt gcttttttagc atctctggtc ttatcagcca 60
 tgctaaatca cttaattag ccttagtgat tctatggttg agtaatctct acttgaacta 120
 aacaaacatc tkttgtttct gwtgtgtgtg gctgtgtgtg agagtgtgag cgcgctgtgt 180
 tstgtgtgtg tttyaatgga gtstwgctt gaatgaatca ctgggaagcc agcyatggta 240
 agggctggtg aggttgggga gaaaggaaga gcttkatgty tctctgtngt ttggacccta 300
 cttggcatgc ca 312

<210> 16508
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 16508
 aagcatagag cgatgctggg aactctccca ccgggttttg agccacgtgg aggtagcgtg 60
 gggagta 68

<210> 16509
 <211> 76

<212> DNA

<213> Homo sapiens

<400> 16509

cttttcaaag gatacagccc ttgacctgtc tgcacacaat ggggaccttg aatttccagc 60
cagtatacc caacag 76

<210> 16510

<211> 78

<212> DNA

<213> Homo sapiens

<400> 16510

ggatgtgagg gcatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
gctgatctgg ctggctat 78

<210> 16511

<211> 120

<212> DNA

<213> Homo sapiens

<400> 16511

tttttagtag agacaggggt tcagcatgtt ggccaggctg gtctcgatct cctgacctca 60
gatgatccac cctctcagcc ttccaaagtg ctaggattat aggtatgagc caccacgccc 120

<210> 16512

<211> 174

<212> DNA

<213> Homo sapiens

<400> 16512

caaaaaaatt agccggctta gtggtgggtg cctgtagttc cagctactct ggaagctgag 60
gcaggagagt ggcataaacc cgggagggtg agtttgagc gagctgagat cgcgcctgc 120
actccagcct gggtagacaga gcgagattct gtctcaaaaa aaaaaaaaaa aaaa 174

<210> 16513

<211> 315

<212> DNA

<213> Homo sapiens

<400> 16513

tttgactggg cccacattaa agcatgtccc aaacgctatc ttgatatatg tcttcagtag 60
caatcttgtt ttttaagcct tcctttacag gttgattcac agtgggagag agccatgttc 120
agaatttttt tctgatagcc tgaattttct tcttgtcttt catgtctttg cttctattta 180
tgtkctttgt acctcttctt ccttgaactt ggatcttctg catagttgac tctattatat 240
catcttttgg gctgcagaat aaaatgtgga agatttttaa gttaagggtc ccagaataat 300
gttgctgccc accga 315

<210> 16514

<211> 128

<212> DNA

<213> Homo sapiens

<400> 16514

0054399.02400

catggcttca acttcaacca gcagtatgcc caaggcatcc cctaccataa gggcaatgac 60
aagggtgatg agagccagag ccagtsagta cggaccctat tcctggagct aatccgagcc 120
cgccaacc 128

<210> 16515
<211> 102
<212> DNA
<213> Homo sapiens

<400> 16515
gtcatctttt cccagagggc gtcggaatgg acctgtgcc cccagagccc gcggaagtga 60
cagcggggag acggaagagt tacagaggat caagtggcac ct 102

<210> 16516
<211> 195
<212> DNA
<213> Homo sapiens

<400> 16516
cagggaaaat aggtagatcc tctgaacaca gaggaaggag ggacgtccac gtttgtcctg 60
tttagtgtca tactgaagaa gtagtatgacc agccagtgtt gggcgttctg cagcttggga 120
cagatgttgg ggggaagggc actgcctttc ttgtgaactt tcttgcccaa gggacaaatg 180
agctaagcag taaaa 195

<210> 16517
<211> 196
<212> DNA
<213> Homo sapiens

<400> 16517
ccgtatactg atgactctta aagcctatct ttttcctcac tgggaagcag tgtgagagca 60
gcagcaaaaag gtagactcgt caaggaatag aatgaggaga ctgctggaaa ccacctacag 120
gaattgtggt actaaagtga gcwacaaata atgatgggtc ctttgagaaa gatactggta 180
aatgacagca ccaaac 196

<210> 16518
<211> 163
<212> DNA
<213> Homo sapiens

<400> 16518
aaaactatta attttttgca aatggaaaaga tcaacagact atataatgat acatgactga 60
cacttgtaca ctaggtaata aaactgattc atacagtcta atgatatac cgctgttagg 120
gttttataaa actgcattta aaaaaagatc tatgaccaga tat 163

<210> 16519
<211> 120
<212> DNA
<213> Homo sapiens

<400> 16519
tatagaccgg gaggtattct aggtaaactt tttgtctttg tctctatcca ttttgtagt 60
atcttaaaga gatgggagga aaggcaagat taagttggtt ctttcaactc tgagggttaa 120

<210> 16520
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 16520
 aaatcaagtg tcatgcatga gctttccaaa tgtctggcac aaatatctgg ttgatgggtg 60
 tgctccttgt ctgatattgt aaatgatggc agagtagatt tgcaaggaaa attaagactt 120
 tctgaacatg ttaaaattga ggcactaatg agccattagt gacctaggct tcatgcatga 180
 gtgtaggact ataggacacc tagatgtgag tgtaccaa atgtccagaga atattaagag 240
 agaagagtcc ctagaccaag ct 262

<210> 16521
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 16521
 cgaatagaca tggcattggc agacacatgg tagacctcag gtctggtagg agcgcttggt 60
 gggactaaat ataaacaaag gtattaagta tgaatacaat tttataaaat tcaggggaaa 120
 c 121

<210> 16522
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 16522
 ttatttggtt ttgagatgga stktcactct tgttgccctag gctggagtgc attggcgcta 60
 tctcggctca ccgcaacctc cgctcgcag gttcaagcga ttctcctgcc tcagcctcct 120
 gagttagctg gattacaggc atgtgccgcc atgtcctggt aattttgtat ttttaataga 180
 gacagggttt ctccatcttg gtcaggctgg tctcgaactc ctgacctcag gtgatctgcc 240
 caa 243

<210> 16523
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 16523
 attccttggt acgggttaaag aaacaggcac aggaagttgt atcaggcgcc tgctgaacgt 60
 gcgcacgcac cccgta 76

<210> 16524
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 16524
 gaactccagg ctgtcatggc ggcaggacgg cgtacttgca gtatctccac gacccgccca 60

<210> 16525
 <211> 241
 <212> DNA

<213> Homo sapiens

<400> 16525

catttctggc	tattagactt	catgtggcat	aatggaaaga	ttgtggcttt	tgtggcatac	60
atatccaatt	ttaaattcca	ggcagccacc	tttagctct	ggaagatagt	ttctgagcct	120
tggtttcttc	atctctaatt	gggtgtggcg	gtgggggtga	gtkatccaac	ccccacgcc	180
ccagagcttt	tgagaaattt	cagtgaatc	ctgttatata	gcagctgcga	cactccccca	240
c						241

<210> 16526

<211> 188

<212> DNA

<213> Homo sapiens

<400> 16526

taatcatcgt	tagaaccaaa	tcctcttata	aagaacaaat	ataaaaaagt	tttctgtggt	60
gaagctatct	tatagatttg	atttcggag	tagaatttta	ccttaattca	cttaaagaaa	120
attaaccatt	tttgggtcca	acttcagata	tttcttaat	ccagaagctg	tgactgttcc	180
cagaaacc						188

<210> 16527

<211> 105

<212> DNA

<213> Homo sapiens

<400> 16527

tatctaagac	tcatactgat	ttttactatc	acacatgaat	aaagcctttg	tatctttctt	60
tctctaattgt	tgtatcatatc	tcttctaaaa	cttgagtggc	tgcaa		105

<210> 16528

<211> 286

<212> DNA

<213> Homo sapiens

<400> 16528

aaagctgtgg	aacagaggag	gctccaggct	gtggctgaat	ttcgggcctt	agctagtcag	60
aaagtgtga	cgttgagaga	ggaggataac	cagaccttcg	gctttgagat	ccagacttat	120
ggccttcacc	accgggagga	gcagcgtgtg	gaaatggtga	cctttgtctg	ccgagttcat	180
gagtctagcc	ctgccagct	ggetgggctc	acaccagggg	acaccatcgc	cagcgtcaat	240
ggcctgaatg	tggaaggcat	ccggcatcga	gagattgtgg	acatcc		286

<210> 16529

<211> 96

<212> DNA

<213> Homo sapiens

<400> 16529

tgttggccag	gctggtcttg	aactcttgac	ctcaggcaat	ccaccgcgtt	cggcctccca	60
aagtgtctggg	attacaggcg	tgagcnaccg	cgccta			96

<210> 16530

<211> 201

<212> DNA

<213> Homo sapiens

<400> 16530
 tatcagaaaa acctcatccc ttccatztat atgaaatgcc tagaaaaggc aaatctgggc 60
 caggcgcggt ggctcactcc tgtaatccca gcactttggg aggccgaggc aggtggatca 120
 cgaggtgagg agatcgagac tgccttggt aacacggtga aaccccgctct ctactaaaaa 180
 tacgaaaaat tagctgggca a 201

<210> 16531
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 16531
 cattttacttt ggaaatatga tttcttgccc cttctatgcc atgacactgt ggtatgaaga 60
 acatttttta ctgtttatatt cttgatttgc tgcctccaga aa 102

<210> 16532
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 16532
 tgtcactgga gagttgaagg caataattgt aaagggtggg ccagatgtct tcatgtgctc 60
 acagtgggtat agcctactcc c 81

<210> 16533
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 16533
 tgtagactgg gtggtttata gacaacagac ctttatttct catagttcta gaggctggga 60
 agttcaagat caaggtagct gcagattcag tatctggtga agactgattc ttcacagaag 120
 cactcctaca tgggtggaagg ggcaagggca tctctggggc tgcttttata aaggcattaa 180
 tatccaagaa tccgcacca 199

<210> 16534
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 16534
 actcagtgtt tctgtctcaa gacagccagc tcctaaccct tctcagcaag cagaatcctg 60
 acgttagtgt cccggacagc atctaaaagc tttatgctag aacattccta gcaggacaca 120
 gaaggaccag gatcatcggc tgcctccagg gagagaaatg ggaaggcagg gggtagagaa 180
 cacttgcttt tcacagaata a 201

<210> 16535
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 16535
 aacctgctct ggttcccttc cacgctgtgg aagctttggt cttttggtct tcatgataaa 60

tcttgctgct gctcactcgt tgggtccgtg ccaccc

96

<210> 16536

<211> 181

<212> DNA

<213> Homo sapiens

<400> 16536

aataggaaaa	tacatgaaga	catgtgagat	gtgtgcatgc	acctgtacgt	gcaacttcag	60
ttggctaaga	tggtctaaga	ttaatacact	cagggagtag	gaatagataa	gacattataa	120
aatatgctgt	ctaaacatgt	ttgaatcact	ctaagtgcc	agaatttctt	ttggaactac	180
t						181

<210> 16537

<211> 221

<212> DNA

<213> Homo sapiens

<400> 16537

gctccgctc	ccagggttcaa	gcgattttcc	tgcctcagcc	ccccaagtag	ctgggactat	60
aggtagctgc	caccatgcct	ggctaatttt	ttgtattttt	agtagagact	gggtttcacc	120
atgttagcca	ggatgggtctt	gatcttctga	cctcatgac	ctccacctc	ggcctcccga	180
agtgtgga	ttacaggcat	gagccaccac	gccgggccag	a		221

<210> 16538

<211> 88

<212> DNA

<213> Homo sapiens

<400> 16538

aacatttagg	agtaaggaga	acactcattc	tatcagcttt	ggggttaagg	gaggataaga	60
acataaaaag	cacccatctc	acccacgc				88

<210> 16539

<211> 107

<212> DNA

<213> Homo sapiens

<400> 16539

ggatgtgagg	gcgatctggc	tgcgacatct	gtcaccccat	tgatcgccag	ggttgattcg	60
gctgatctgg	ctggctaggc	gggtgtcccc	ttcctccctc	accgccc		107

<210> 16540

<211> 78

<212> DNA

<213> Homo sapiens

<400> 16540

ctatcaaata	gtaggcttta	ttcattcttt	ctatttgttt	gtacccatta	accatcccta	60
ccttctcccc	aacccccca					78

<210> 16541

<211> 149

<212> DNA

<213> Homo sapiens

<400> 16541
 aaatattcat gagtcaaagc ttgaataaac aaacaaatag gagaagctca acaccacccc 60
 tcaagtaggt agagtttaac actccaaccc ttgagtttga gctgtgcttg gtgacttact 120
 tgtgaaaagc agaatgtgga aagtggacc 149

<210> 16542

<211> 127

<212> DNA

<213> Homo sapiens

<400> 16542
 attatttcaa accacactag ggtacagagc tegtgtctcg ggatggaaac ctatggttat 60
 ctgcagaggg agtcatgctt tcaaggacct catgaactct attttaagaa cctctcaaaa 120
 cgaacac 171

<210> 16543

<211> 171

<212> DNA

<213> Homo sapiens

<400> 16543
 aggttagaga ggggttggct tctggcctct gagcagcagg ggagcctggg cgcattccaca 60
 gaagatagag aggactcagg acagactgat aagaggattg gatggctctg aggggagaaa 120
 agaatgaaaa gagatgaaga gagcggggag aggcaggcct ctgtggggat a 171

<210> 16544

<211> 135

<212> DNA

<213> Homo sapiens

<400> 16544
 aggaagaaga gtggaagtga agaaggtggt ataaatgctg tcaatttttt tttaacccaa 60
 gtattttggt ggggaaaagc aagtatctat tgcttagcat atgtaaagtt gtagtctata 120
 tttatggggc catat 135

<210> 16545

<211> 119

<212> DNA

<213> Homo sapiens

<400> 16545
 ttctgtcgca tgcagtgcct gtactggtgc ctaccataca cggaaagcaa aacagaaaaa 60
 cagaagacaa aaaatagaga tcagcaagaa aacacacgcc ctgccctgcc accccccct 119

<210> 16546

<211> 341

<212> DNA

<213> Homo sapiens

<400> 16546
 gctcaaaaaa gcctaactca ctcggctcca caggctgggg acaggggtgg catgtgtctc 60
 ccagggtca taccctaag ccatgcccc taatacgggc ttcagtgtta ctcatcttgt 120

tttgtgtccc	cttccagact	ctcctgtacc	tagaccaggg	ctggacatac	agtaggtact	180
caataaagtc	tagttaattc	caggctcttt	ccaacacaaa	tcaaatacaca	tcaaattttt	240
agtaattccc	atgactctta	gaataaaaatt	gcaaaccac	actgggtctt	ataaggccct	300
gcatggtagc	tctgcctctt	ctggccccag	gctcaccgccg	a		341

<210> 16547
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 16547						
tctccacgtc	ttgatggtag	tggtcccccg	gggccagct	gctctttatc	tcgkgctctt	60
attacaatct	ctggtctctg	cacacgggga	ggacacctgc	taagcccccg	taggctggac	120
cctacagaaa	accacacccc	tctcttgccc	tgtctcttag	ttacctccac	ctttaccttc	180
ccctttgcag	caaattgacc	tgaaagagaa	ggtggtgttc	acagcccctg	cgtgctctct	240
gctcactctc	caaactccag	cccctggccc	cagcgccgct	ggccctcggc	gagtcgcagt	300
ggsccaccct	gctgca					316

<210> 16548
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 16548						
tctatacctg	ctatgcagag	attgagaacc	aaaccaaagt	gatatctgct	tttaagatta	60
gaatttggtc	ttcatcctta	aagcgaactc	attgagatga	aaagatgctc	ttaattttatc	120
acagaac						127

<210> 16549
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 16549						
aagactatac	tttcagggat	cattttctata	gtgtgttact	agagaagttt	ctctgaacgt	60
gtagagcacc	gaaaaccgcg	aggaa				85

<210> 16550
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 16550						
ctcttcgctt	ttgtggcggc	gcccgcgctc	gcaggccact	ctctgctgtc	gcccgtcccg	60
cgcgtcctc	cgaccccgca	gacctcctct	ttttcttctt	ctcatcgctt	ccactccagg	120
ttgctttcag	gaccttcaaa	atctctttgt	atttttaaaga	ccaatttacc	ccccaaggcc	180
tcgatcat	gattgagcac	cct				203

<210> 16551
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 16551

tttttaaatgt gtagttggtc tatgatatga tttggatatt tgtacccttc aaatctcatg 60
 ttgaaatggg attcccaatg taggatgtgg 90

<210> 16552
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 16552
 ccctccctcc ccagccttcc ccgcgagcgg acgcgncags cctctgtctc gcttttttctt 60
 atttttcccc cctttccctt ttcttttttt 90

<210> 16553
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 16553
 aagggttttc tttcacgctt tctgaggagg agagcatggc gcgggcctcg gcgaasactt 60
 ccgtcagcct cgggcggagg atcgtcttag tagctggcca gacctggagg aaa 113

<210> 16554
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 16554
 gtctataggg taagctgggc ctttagggtc agaaagaggc cagtcctcga tgatcagagt 60
 atagggagga cttgggcccc ttcatctcag gagaagggct ccaccttcct gcagctgggc 120
 tcttccaccg agcaacagct tcaggtcctc tttgaggtgc tggaggagta tgactggacg 180
 ccc 183

<210> 16555
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 16555
 ccaaaagaac aaagaaataa aaaagccacg aaagactcaa aggaagcaga ttttcgacca 60
 cagccaacct cagaacaatt ctgagttgct cattttaaga tcaataaggc attttttttag 120
 ggtgtgtatg cccgaga 137

<210> 16556
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 16556
 tttttcctat cagtgcctag gactttaatg tatataactt aaaaaaaaaac atctcttaga 60
 gttgtagcta catatacagg aaatctaaca aatgtgtagc ataattgtatt atacaaaggc 120
 agacaccctt gcagccacca acaagggtcaa gaaacaattt tgctgcctgt cctagaagcc 180
 cctccttatg gtcctatcca gacacacact tctggcttcc ctcaa 225

<210> 16557

<211> 93
 <212> DNA
 <213> Homo sapiens

<400> 16557
 aagactatac ttccagggat catttctata gtgtgttact agagaagttt ctctgaacgt 60
 gtagagcacc gaaaaccacg aggaagagag gcc 93

<210> 16558
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 16558
 aaagaaaaaa tagaagggtga atcggttaggt aammagagac aatagactac cagccaatct 60
 caatgtgtga accttggttg taccctgatt caagaaaaga cattaataaag attgtctgaa 120
 a 121

<210> 16559
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 16559
 atggaatccc cttaaataagg tgtctccagc caacggcttg aaccgcctgc ccacaccctc 60
 ccttgagcca cccccagcg tgggtccgctt cgccatgccg cccggccaca cgcacagcgg 120
 gtctgattcc tccgactcgg agtatagttc ccagacgaca ca 162

<210> 16560
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 16560
 ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
 gctgatctgg ctggctaggc ggggtgtccc ttctctcctc accgctccat gtgcgtccct 120
 cccgaagctg cgcgctcggc cggagaggac a 151

<210> 16561
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 16561
 tgtttctacc tygtgggtgg ggcctgggta atggtgggga tgtagaatgg ggctcaacag 60
 gcagggcac cagatgggtac tggaaacccc aaactcaaga actaactagg tcagaccccc 120
 ct 122

<210> 16562
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 16562

agagaaggta atatggccat tgggcaggta gctaggagtg tttggtatta ataccctcca 60
 tctcaccac tctctctcag taaatgacat accattcaac tcaaccagtt cttgtagcca 120
 gaaacctggg actcactctc agatctccac ctctctctc ttccacacta ttcaatcaat 180
 aattccattg attctacctt gaacacagct ctgtaatcag ctttctcttt tgccgcccatt 240

<210> 16563
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 16563
 gtgccccaaa gcggggcccct caaggggagg caaccacggt ctctgaatat ttcttcaatg 60
 atatcttcat tgaagtggat gaaacagaat aaaagcct 98

<210> 16564
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 16564
 caatgttatt agggagcctg ctattggaac ttggaagatt atcagtagca gaaaaactga 60
 agtggggaatg gaaagacgtg aaagtagaac ttagcctggg ctagtctctc agagtcttga 120
 gtctggggag gaactgccct ttcacttta ccatgggaa 159

<210> 16565
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 16565
 aatgtgggtg tgcgctgggt ttctggatct ctaggtctgg aaaggctttc ctttctttga 60
 caccagcag tgatcttagg gagtgcttca tgctctcttc aggatggaac agagcgcttt 120
 gcatagagtg cccctgggtg atggtggcga gttaccgggc aggg 164

<210> 16566
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 16566
 ctctccattc ccataaacct caacaactgc tcgaagtcct gcttgacttc ttgtctccag 60
 actttgaaat cttccttgca tatkaactgtc tcattacctt cctaaaatct agttrrttca 120
 cctaatacaag aatctacagg ggtctactct ggccaatttg ataagttctc atttcttctc 180
 tttactaata cttcttactt cctttacttc atctattccc tagtataatt ccctagtata 240
 attcctccat cctaattaga actgtcttcc tacacatccc tgactctcca ccca 294

<210> 16567
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 16567
 tttttcgtgt gtgtgtgtgt gtstgtatgt rtgtgtgtgt gakkagactt cgctcttggt 60
 gccaggtg gagtrcaatg gtgcgatctt ggctcactgc aacctcywcc tcccgggttc 120

aagcaattct tctgcctcag cctccccgagt agctggggatt acaggcatgc actaccatgc 180
ctggctaatt ttgtattttt agtagagasr 210

<210> 16568
<211> 104
<212> DNA
<213> Homo sapiens

<400> 16568
ctttcgtgtc cctcttcttg ttgctttaga agtgacgtgt aatttctgaa cccatgtttc 60
atctgtataa aagaacatct gcaccagttt ttctcctgcc ccca 104

<210> 16569
<211> 127
<212> DNA
<213> Homo sapiens

<400> 16569
agacttcgga aaggactttg gcgagggggc agccattttg ggggggtgctg atggatacct 60
gcgggggtcg ctatgttgcc ctggggggagg ccggccccgt ggggnaacat gactgtggta 120
gactctc 127

<210> 16570
<211> 307
<212> DNA
<213> Homo sapiens

<400> 16570
tcttttattt ttttaatttg aaatctggat gctcaagctc tgcctgcaca accacatgag 60
gaagaaggaa caatgacaac aaaaataaca ctaaatttaa atttaagagt actactttta 120
ggaaatagac aaaccattat ttgggtacaa ctaaaggcaa ctggcatgga ctcaaattat 180
ttggggaaga aaaagactaa aagttctaag gaagaaaatg cgaaccttga tagtttgaaa 240
tagttaaaaa gacagtgtag aaactgttta ggcagtttga ttatggacta ttagatgata 300
cttggtc 307

<210> 16571
<211> 129
<212> DNA
<213> Homo sapiens

<400> 16571
agagaaggga tgtcgcaggc tccacccttg ccaccgcaga ggcccggggc tgaaasaggc 60
agccaggccc aggccttctg gacctaagcc gcgaccctg accctcggcc tcgccctcta 120
gcccccaagt 129

<210> 16572
<211> 211
<212> DNA
<213> Homo sapiens

<400> 16572
ttcttccact ccccgcgggc cagcgggtga ctgcccggag aggaaacgac attcggagct 60
gcgcycggcc caggccggcc ctgacgcggg cctcgtcagc cagtaacagg gagcagaggt 120
gggagtttagc gaggcgacca cgaaaacggg gaaggtcggg accgacagcc tcctccgaga 180

agggcaggag ctgggaggag gcggcagcgg c 211

<210> 16573

<211> 189

<212> DNA

<213> Homo sapiens

<400> 16573

taatcagctc	agggtatttg	ccaatctgaa	ataaaagtgg	gatgggagag	tgtgtccttc	60
agatcaaggg	tactaaagtc	cctttcgtg	cagtragtga	gaggtatgtt	gtgtgtgaat	120
gtacggatgt	gtgtttgcgt	gcatgtttgt	gcatgtgtga	ctgtgcatgt	tatgtttctc	180
catgtggtg						189

<210> 16574

<211> 138

<212> DNA

<213> Homo sapiens

<400> 16574

gcgttcccct	ttttcggggg	gcagggtggg	ggagtgtccc	tgcattccttc	caccaggcag	60
atttaagact	gctaagcgtt	tcgggacagg	attatcttgt	gttttctttt	ctttttttct	120
ttaacctttt	tttttttt					138

<210> 16575

<211> 262

<212> DNA

<213> Homo sapiens

<400> 16575

ttgaaaactg	agattccatt	tcacgttgcc	tttagattgg	caaataattaa	aaccacagcg	60
tgtgattcca	tgaatacgaa	cattcgggtat	aggcaaattcc	atagagacaa	aaaagagact	120
gccggttacc	aggcagtagg	ggaggaggga	atggggagtg	actgctggca	ggtttggggg	180
ttcttattgg	ggtgatttta	aatgttctgg	aattaggtag	tggggatggg	tgcataacat	240
tgtgaataca	aatgaccgaa	ca				262

<210> 16576

<211> 227

<212> DNA

<213> Homo sapiens

<400> 16576

aaattaccaa	acaggaactg	tttgtttttag	cttaagggtt	tcgtcttttc	tttttccttc	60
ctgaaaatta	actacagaaa	attccagggt	tccagggttg	tagcgagttg	aatttttaagt	120
gatttgagat	acgaagtcca	catttctgtg	gcctgtctag	aggttctcat	cttgctaaat	180
gacatttaga	agcagcataa	ctgcttctaa	tctaggatta	ccacgcc		227

<210> 16577

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16577

actgggatgc	agaggctgca	gtgagccatg	ttggtgctgg	tgcactccag	cctgagcaag	60
accttgtctc	agaaaaaaaa	aaagttcaca	aascccacca			100

<210> 16578
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 16578
 cttttttttt cgtctgggct gccaacatgc catccagact gaggaaggcc cgagagcatg 60
 tccgcatggt catcattaac cagctccaac cctttgcaga aatctgcaat gatgccaagg 120
 tgccagccaa agaccgcg 137

<210> 16579
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 16579
 acttttggtg tytcagggtt tcctgggagt gtttggcagg gagggataag aatgcagagt 60
 taaaagttaa taaatactgg tgaggtcaga ggaggccgag agctggaggg aaagggaag 120
 gggttcggaa tgtaacctac ttgttaacac ctgtcacagg gttccccctc cagcaagcgg 180
 agaagccctt tgctgcagcc aattatcgag gacgaaac 218

<210> 16580
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 16580
 acatagttgt ttagaatatg acttacttgc tttataaaac cattttttca ttttttattt 60
 ttcgaggagg gatgaggatt tgctgaaaa catttttttc tcacaagctg ccccg 116

<210> 16581
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 16581
 aaattatttg aaaagcaagc ctgtgaattg ctgtggagga acaatagcct gtctcttatac 60
 tggagccttt ccaaggaaaa gcaaagggga ccctagaagg cttcctggcc act 113

<210> 16582
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 16582
 ggatgtgagg gcgatctggc tgcgacatct gtcaccccat tgatcgccag ggttgattcg 60
 gctgatctgg ctggctaggc ggggtgcccc ttctccccc accgca 106

<210> 16583
 <211> 80
 <212> DNA
 <213> Homo sapiens